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## SMALLPOX IN THE UNITED STATES—PREVALENCE AND GEOGRAPHIC DISTRIBUTION DURING THE CALENDAR YEAR 1909.<sup>1</sup>

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During the calendar year 1909, smallpox continued to be prevalent in the United States. There were, however, fewer cases reported than during the preceding year.<sup>2</sup> The number was nevertheless excessive when compared with that reported in other countries, and regrettable when the preventability of the disease is considered. The mildness of the disease continued a striking feature and one not as yet satisfactorily explained, the average case mortality rate being less than 1 per cent.

Although smallpox is more generally required to be reported than any other disease, and our knowledge of its prevalence and geographic distribution is undoubtedly more accurate and complete than that for any other disease with the possible exception of leprosy, there are no existing means by which can be known just how prevalent smallpox has been or is throughout the country as a whole. This information can be obtained only for the States in which the cases of the disease are regularly reported to the authorities.

Reports have been received as to the prevalence of smallpox during 1909 in the following States: Colorado, Connecticut, District of Columbia, Florida, Illinois, Indiana, Iowa, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Utah, Vermont, Washington, and Wisconsin.

These States with a total estimated population of 58,839,200 reported 19,534 cases with 92 deaths, which is 34 cases for each 100,000 inhabitants and 0.471 deaths in each 100 cases.

Partial reports have been received from certain other States as will be seen from the table on page 802.

### PREVALENCE.

The prevalence and geographic distribution of the disease during the calendar year 1909 is shown, so far as the information is available, by the accompanying table and maps. The States in which interrogation points appear are those in which there were no records of the disease or in which the records were so fragmentary or for

<sup>1</sup> From information furnished by State and local health authorities and registrars.

<sup>2</sup> Smallpox in the United States, *American Journal of Public Hygiene*, Vol. XX, No. 1, Feb., 1910, p. 133.

such limited areas that they did not give an accurate idea of the prevalence of the disease and were unsuitable for purposes of comparison.

The disease was reported from every State in which adequate records were kept. The four States in which the greatest numbers of cases were reported were Kansas, Illinois, Utah, and North Carolina, with 2,197, 2,135, 1,854, and 1,733 cases, respectively.

It is of interest to note the great reduction in the number of cases in Minnesota as compared with 1908, when approximately 7,000 cases were reported. The small number of cases in Florida is also worthy of note. The three cases reported may not represent all that occurred, but it is certain that the State was comparatively free from the disease during 1909. Connecticut and New Hampshire were also practically free from the disease, there being reported in these States but three and two cases, respectively.

#### CASE RATE.

Whereas the total number of cases reported shows the geographic distribution of the disease and the location and number of the actual or potential foci of infection, the case rate is of interest to show the relative effect upon the community. Thus it will be noted that while in Utah there were reported 1,854 cases of smallpox, which placed the State third in the number of potential foci of infection within its borders, the relative effect upon the people of the State was nearly three times as great as that in any State from which adequate information was obtainable, there being 507 cases reported for each 100,000 inhabitants or one for each 197. The next three States with the highest rates were Montana, Kansas, and Oklahoma, with rates of 187.46, 131.67, and 90.41, respectively, per 100,000 inhabitants. The lowest rates were 0.27 in Connecticut and 0.33 in Pennsylvania.

#### CASE MORTALITY RATE.

The type of the disease was, in general, extremely mild, although there were isolated outbreaks in which the deaths were at the rate of from 20 to 50 per hundred cases. In Kansas and Illinois, the two States in which the greatest number of cases were reported, the mortality rate was only 0.18 and 0.37 per hundred cases, respectively; in Michigan 0.34, and in Ohio 0.30. In Colorado there were 345 cases without a death.

The case mortality rate is of special interest when compared with that reported in other communities. In Germany, in 1907, there were 345 cases of smallpox, with 63 deaths, a case mortality rate of 17.97 per hundred, and in 1906 there were 256 cases, with 47 deaths, a rate of 18.36. In St. Petersburg there were, from May 16, 1909, to May 7, 1910, 1,513 cases reported, with 425 deaths, a case mortality rate of over 28 per hundred. In Naples, from May 31, 1909, to May 29, 1910, there were reported 556 cases, with 131 deaths, a rate of over 23 per hundred.

#### VIRULENT OUTBREAKS.

During the year there were two outbreaks of smallpox in the United States in which the disease showed a high virulence. One of these was at Norfolk, Va., and vicinity; the other at Yorkville, S. C.

NORFOLK, VA., AND VICINITY.<sup>1</sup>

Cases of smallpox developing in the city of Norfolk and vicinity during January, February, and March were all of the mild type and caused no deaths.

In the latter part of March a child came from Frederick, Md., to St. Mary's Orphan Asylum School and on April 12 developed smallpox. The child recovered, but the member of the asylum staff who nursed the child contracted the disease and died.

In the early part of April, 3 cases of smallpox were received at the United States naval hospital at Portsmouth, the patients being from the Atlantic Fleet recently returned from abroad. The type of the disease in these cases was severe, and one patient died.

During April, May, and June there were reported in Norfolk and vicinity 66 cases of smallpox, with 17 deaths. The cases for the year were as follows:

Months.	Cases.	Deaths.
January.....	6	.....
February.....	7	.....
March.....	2	.....
April.....	26	6
May.....	24	10
June.....	16	1
July.....	1	.....
November.....	2	.....
Total.....	84	17

Location of cases.	Number of cases.	Number of deaths.
Norfolk City.....	57	8
Norfolk County.....	16	5
Portsmouth.....	5	3
United States naval hospital.....	3	1
United States marine hospital.....	3	.....
Total.....	84	17

## YORKVILLE, S. C.

There was an outbreak of the virulent type of the disease in Yorkville during March and April. The first case occurred March 4. The patient was 32 years of age and unvaccinated. He died March 16. The disease was of the confluent type. Fifteen persons had been exposed to the infection. Of these one had been vaccinated over 44 years previously and one 5 years. These two, although they nursed the patient for 10 days, did not contract the disease. The other 13 who had never been vaccinated all developed smallpox and 8 of them died. All contacts had been vaccinated as soon as fresh vaccine could be obtained, and in 5 of them in whom the incubation period of the disease was 15 and 16 days evidences of successful vaccination appeared before the eruption of the disease. These 5 cases had the discrete type of smallpox and recovered. All the others had the confluent type and died. Every individual in the mill village (about 400) and the majority in the surrounding community were vaccinated,

<sup>1</sup> See Public Health Reports, Vol. XXV, p. 361.

and although the 13 secondary cases constituted 7 foci of infection to which many persons (vaccinated) were exposed, only 1 other case developed and that was of a mild type. The original source of the infection could not be ascertained. (Annual Report, South Carolina State Board of Health, 1909, pp. 36, 37.)

#### DESCRIPTIONS OF MAPS.

Map No. 1 shows the number of cases of smallpox reported in the several States. Each dot represents 10 cases or fraction of 10. That is, a State in which 10 cases or less were reported contains 1 dot, a State in which more than 10 but not more than 20 cases were reported contains 2 dots, and likewise a State in which over 90 but not more than 100 cases were reported contains 10 dots. The States containing interrogation points are those from which sufficiently complete information for the year 1909 was not obtainable. Because of the necessarily small size of the published map and the large number of cases in many of the States, it has not been practicable to group the dots in the exact localities in which the cases occurred within the States, nor is it believed that such an arrangement would materially alter the appearance of the map. For example, in Indiana smallpox was reported in 67 of the 92 counties of the State during 1909, and in every county in the State in 1908. The same general distribution existed in many of the States. The location of virulent outbreaks is shown by concentric circles.

Map No. 2 shows the distribution of cases according to population. The number of dots in each State shows the actual number of cases reported for each 100,000 inhabitants.

TABLE NO. 1.—*Showing, by States, cases reported, case rates, deaths reported, and case mortality rates.*

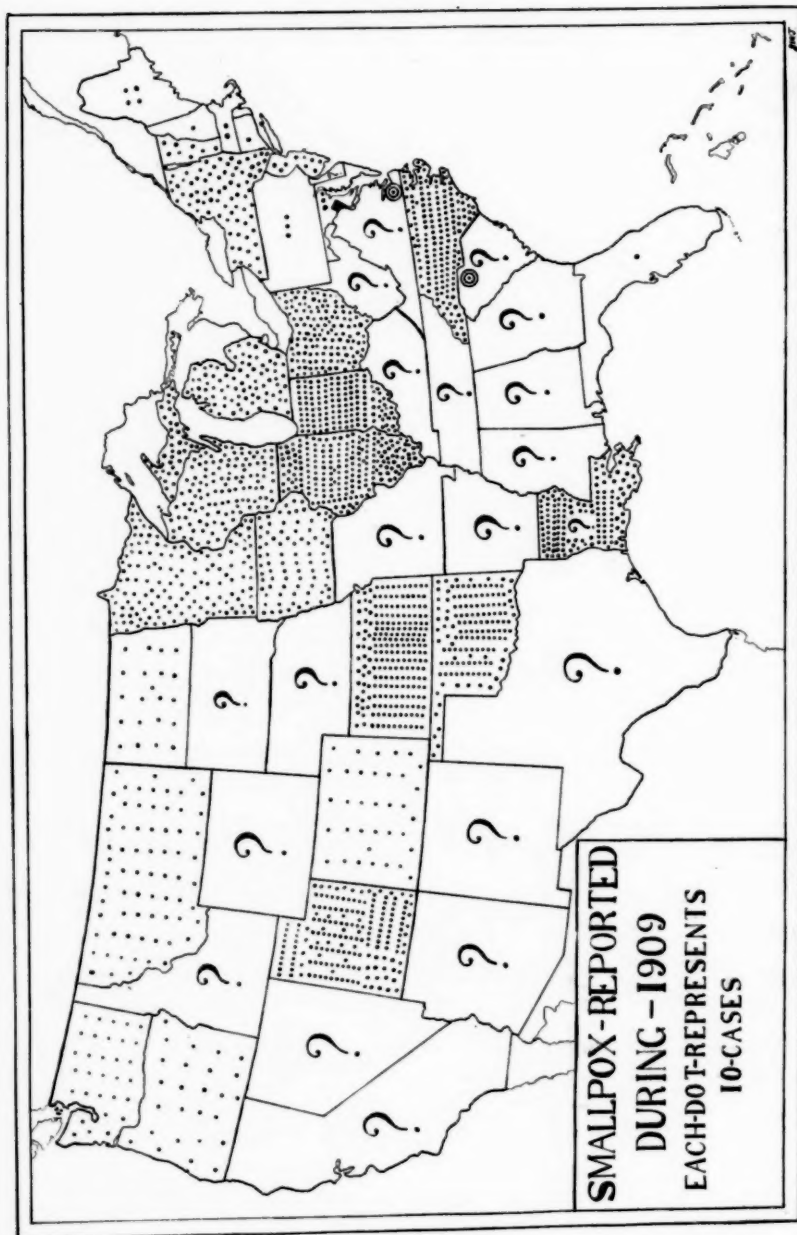
States.	Cases.	Case rate per 100,000 inhabit- ants. <sup>1</sup>	Deaths.	Case mor- tality rate per hun- dred.	Remarks.
1. Alabama.....	102		3		Incomplete; no available record of cases for entire State.
2. Alaska.....	(?)		(?)		Cases not reported.
3. Arizona.....	(?)		1		1 death reported; reports incomplete.
4. Arkansas.....	120		(?)		Incomplete; no available record of cases for entire State.
5. California.....	180		6		Do.
6. Colorado.....	345	44.33			
7. Connecticut.....	3	.27			
8. Delaware.....	(?)		(?)		No available record of cases for entire State.
9. District of Columbia..	24	7.34			
10. Florida.....	3	.41	1	33.33	Cases probably incomplete.
11. Georgia.....	266		(?)		Incomplete; 181 of these cases were reported in Macon.
12. Idaho.....	(?)		(?)		No available record of cases.
13. Illinois.....	2,135	38.31	8	.37	
14. Indiana.....	1,363	50.74	5	.37	

<sup>1</sup> Based upon the estimated population July 1, 1909, as given by the Director of the Census.

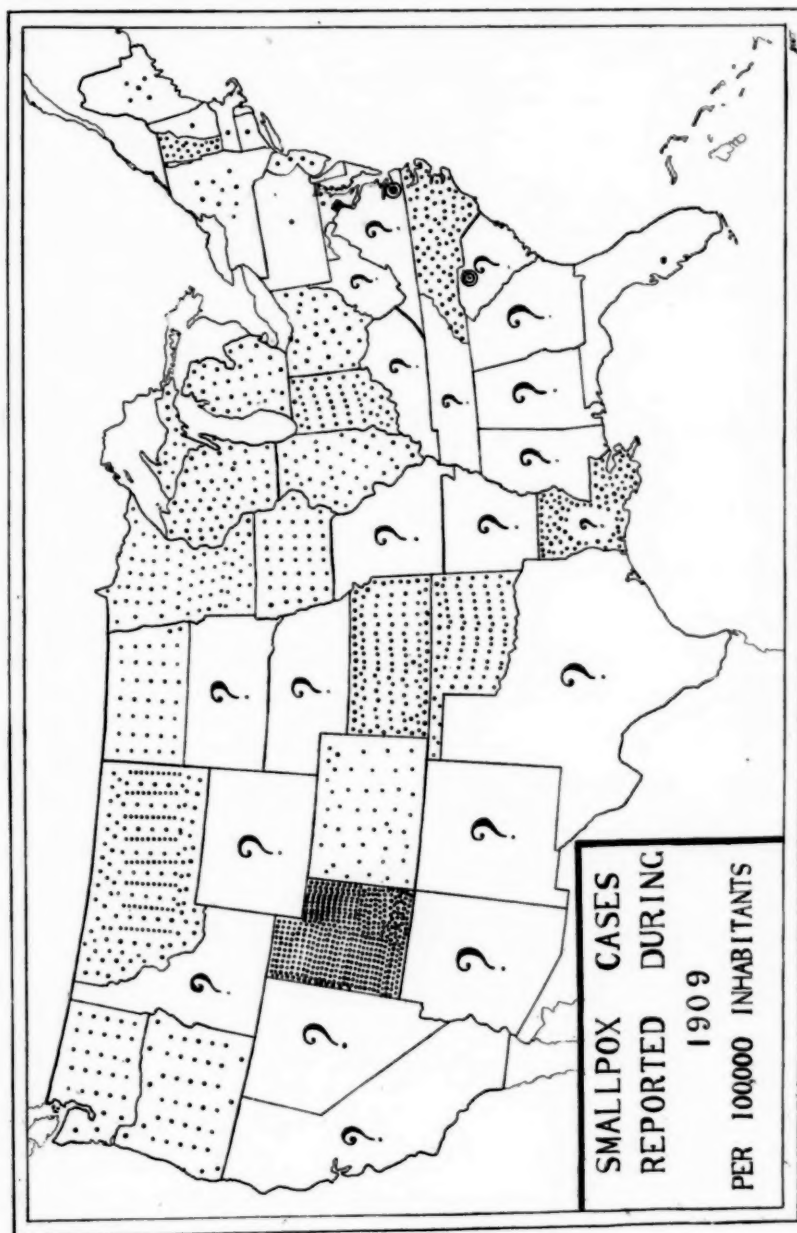


TABLE NO. 1.—*Showing, by States, cases reported, case rates, deaths reported, and case mortality rates—Continued.*

States	Cases.	Case rate per 100,000 inhabit- ants.	Deaths.	Case mor- tality rate per hun- dred.	Remarks.
15. Iowa.....	825	37.12	4	.48	
16. Kansas.....	2,197	131.67	4	.18	
17. Kentucky.....	390		(?)		Incomplete; no available record of cases for entire State.
18. Louisiana.....	1,409		3		Do.
19. Maine.....	36	4.87			
20. Maryland.....	26	2.02			
21. Massachusetts.....	14	.42	1	7.143	
22. Michigan.....	1,175	42.38	4	.34	
23. Minnesota.....	1,430	69.41	14	.98	
24. Mississippi.....	76		(?)		Do.
25. Missouri.....	221		(?)		Do.
26. Montana.....	685	187.46	3	.44	
27. Nebraska.....	109		(?)		Do.
28. Nevada.....	(?)		(?)		No available record of cases.
29. New Hampshire.....	2	.46			
30. New Jersey.....	88	3.56	2	2.27	
31. New Mexico.....	(?)		(?)		Do
32. New York.....	762	8.52	4	.52	
33. North Carolina.....	1,733	79.45	2	.12	
34. North Dakota.....	204	36.72			
35. Ohio.....	1,328	28.14	4	.30	
36. Oklahoma.....	1,434	90.41	6	.42	
37. Oregon.....	252	38.65			
38. Pennsylvania.....	25	.33			
39. Rhode Island.....	(?)				
40. South Carolina.....	19		9		Incomplete; no available record of cases for entire State.
41. South Dakota.....	13		2		Do.
42. Tennessee.....	680		2	.29	Do.
43. Texas.....	752		14		Incomplete.
44. Utah.....	1,854	507.11	5	.27	
45. Vermont.....	73	20.56			
46. Virginia.....	202		18		Incomplete; no available record of cases for entire State.
47. Washington.....	310	28.39	9	2.90	
48. West Virginia.....	26				Do.
49. Wisconsin.....	1,208	52.14	16	1.32	
50. Wyoming.....	(?)		(?)		No reports received.
Total.....	24,099		150		



MAP No. 1.—Showing the reported prevalence of smallpox in the United States during the calendar year 1909. (Each dot represents 10 cases or fraction of 10.)



MAP No. 2.—Showing the number of cases of smallpox reported for each 100,000 inhabitants in the several States.

# UNITED STATES.

## MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

[Adopted since Jan. 1, 1910.]

### NEW BEDFORD, MASS.

#### MILK—PRODUCTION, CARE, AND SALE.

**RULE 1.** No person, firm, or corporation shall engage in the production, sale, delivery, or distribution of milk in the city of New Bedford except in accordance with the rules and regulations of the board of health of New Bedford.

**RULE 2.** Every person, firm, or corporation keeping or offering for sale milk in the city of New Bedford, shall annually, before the 1st day of June, be licensed so to do by the milk inspector of said city, and then only after applicant has filed with said milk inspector a list of producers supplying him with milk, together with quantity furnished. Changes in the list of producers must from time to time be reported to the board of health. Licenses are not transferable.

**RULE 3.** No milk for sale or distribution in the city of New Bedford shall be stored in any portion of a building which is used for the stabling of horses, cows, or other animals, or for the storing of manure, or in any room used in whole or in part for domestic or sleeping purposes, unless the storage room for milk is separated from other parts of the building to the satisfaction of the board of health.

**RULE 4.** All rooms in which milk intended for sale in the city of New Bedford is stored, cooled, mixed, or strained shall be kept clean at all times to the satisfaction of the board of health, and all utensils actually employed in the storage, sale, or distribution of milk shall be washed with boiling water or sterilized with live steam regularly after being so used.

**RULE 5.** No urinal, water closet, or privy shall be located in the rooms called for in the preceding sections or so situated as to pollute the atmosphere of said rooms.

**RULE 6.** All milk produced for the purpose of sale or distribution in the city of New Bedford shall be strained and cooled as soon as it is drawn from the cow, outside of the barn and in a clean atmosphere, and away from all sources of contamination.

**RULE 7.** Milk for sale in any store, shop, restaurant, market, bakery, or other establishment shall be stored in a covered can or vessel in a refrigerator. No vessel containing milk for sale shall be allowed to stand outside said cooler, box, or refrigerator, except while a sale of said milk is being made.

**RULE 8.** All cans, bottles, or other vessels of any sort used in the sale, distribution, or delivery of milk shall be cleansed or sterilized before they are again used for the same purpose, and all wagons used in the conveyance of milk for sale or distribution shall be kept in a cleanly condition and free from offensive odors.

**RULE 9.** The use of wooden plugs as covers for milk cans is prohibited.

**RULE 10.** No vessels which have been handled by persons suffering from typhoid fever, scarlet fever, diphtheria, or other infectious disease shall be used to hold or convey milk until they have been thoroughly sterilized. No bottle, can, or receptacle used for the reception or storage of milk shall be removed from a private house, apartment, or tenement wherein a person has any infectious disease, except with the consent of the board of health.

**RULE 11.** All stables where cows are housed must be kept clean, well lighted and ventilated, and the tie-ups must be whitewashed at least once a year.

**RULE 12.** The hands of the milkers must be washed before milking, immediately after the udders of the cows have been wiped with a clean cloth, and all milking must be done with dry hands.

**RULE 13.** The board of health reserve the right to collect samples of milk for bacterial count and to inspect the premises of any producer supplying New Bedford with milk, and a continuance of the business in New Bedford depends upon conformity with these regulations and such other conditions as the board of health may from time to time impose. [Regulation board of health, adopted Apr. 12, 1911.]

#### MINNEAPOLIS, MINN.

##### PROTECTION OF FOOD STUFFS—GAME, FISH, POULTRY AND MEATS.

**SECTION 1.** No person, company, or corporation shall engage in the business of keeping, maintaining, conducting or operating any store, meat market, butcher's stall, shop, stand, or business in the city of Minneapolis, for the sale at retail of any game, fish, poultry, or butcher's meat, without first paying the license fee and obtaining a license therefor as herein provided.

**SECTION 2.** Any person, company, or corporation desiring a license to engage in the business specified in section 1 hereof shall file with the commissioner of health of the city of Minneapolis a written application to the city council for such license, which application shall state the name of the applicant, his place of residence, and the place for which he desires a license to carry on such business. The commissioner of health shall thereupon examine or cause to be examined the sanitary conditions of the place proposed to be licensed, and shall present such application to the city council, together with statement of the sanitary conditions of the place proposed to be licensed, with his approval or disapproval of the same. Such license shall be issued to the applicant by the commissioner of health only when authorized and directed by the city council so to do, upon the presentation by the applicant of a receipt from the city treasurer, showing the payment into the city treasury of the license fee required for such license. The sum of \$5 is hereby fixed and established as an annual license fee for such license. All licenses issued under the ordinance shall be for the period from the date of such license to the first Monday in May next following the issuance of the same. The license fee for any such license issued for a fractional part of a year ending on the first Monday in May after the issuance thereof shall be a pro rata part and portion of said license fee of \$5. Each such license shall authorize the licensee named therein to carry on such business only at the place stated in such license, and each licensee shall keep his license conspicuously posted in the market, store, stall, shop, stand, or other place of business for which the same is issued.

**SEC. 3.** All game, fish, poultry, and butcher's meats offered for sale in any market, store, butcher's shop, stand, or other place of business in the city of Minneapolis shall be properly and sufficiently protected from dirt, dust, flies, and handling by customers. All meat markets or other places of business for the sale of game, fish, poultry, or butcher's meats in the city of Minneapolis shall be provided with tight hardwood, tile, or cement floors, and with running water and sewer connections, where water mains and sewers have been laid in the street, avenue, or alley in front of any lot, part of lot, or parcel of land upon which said meat market or other places of business are located, and all windows and doors therein shall be properly screened so as to exclude flies therefrom. All such meat markets, butcher's stalls, shops, and stands, and all tools, implements, and fixtures used or employed therein should be kept clean and in a sanitary condition, and all employees therein when handling meat, sausage, or other provisions therein shall wear clean linen or rubber aprons, which must be washed frequently and kept clean. No horse meat shall be had, kept, offered for sale, or sold in any meat market, store, butcher's stall, shop, stand, or any other place of business in the city of Minneapolis. All delivery wagons used for the delivery of game, fish, poultry, or butcher's meat in the city of Minneapolis shall be properly covered and kept in a clean and sanitary condition, and other provisions delivered in such delivery wagons shall be kept covered, so as to keep the same free from dirt, dust, flies, and other contamination.

**SEC. 4.** No game, fish, poultry, or butcher's meat shall be offered for sale or sold or delivered in the streets, avenues, or alleys of the city of Minneapolis, except the same be wrapped in paper or canvas to protect from dust and flies.

**SEC. 5.** Any license issued under this ordinance may be revoked by the mayor, city council, or municipal court of the city of Minneapolis, as provided in section 16, chapter 4, of the city charter.

**SEC. 6.** Any person who shall violate any of the provisions of this ordinance shall, upon conviction thereof before the municipal court of the city of Minneapolis be punished by a fine not exceeding \$100 or by imprisonment not exceeding 90 days.

**SEC. 7.** This ordinance shall take effect and be in force from and after its publication. [Ordinance approved Mar. 18, 1910.]



## ELGIN, ILL.

## GARBAGE COLLECTION.

SECTION 1. The mayor of said city of Elgin shall, from time to time, with the advice and consent of the council, appoint one or more day scavengers, whose duty it shall be to gather garbage in said city, and who shall continue in office for the time fixed at the time of appointment, unless sooner discharged. Scavengers may be discharged by the mayor for neglect, malperformance, or inefficiency in the discharge of duty.

SEC. 2. The health officer shall divide said city into scavenger districts; said districts shall not include portions of the city so sparsely populated as to render unnecessary or unreasonably difficult the services of a scavenger. The health officer may from time to time increase or diminish the number, or readjust the boundaries of such district as convenience may require, not prejudicing the rights of scavengers then employed.

SEC. 3. Such scavenger shall visit every residence in the district assigned to him, at regular intervals (to be regulated by the health officer) at least once each week, and remove all garbage offered him by the occupants, and shall notify the persons to be served by him at what time his visits may be expected by them.

SEC. 4. The owners or occupants of premises in districts visited by the scavengers shall provide a metallic receptacle which shall be absolutely tight against leakage of any fluid placed therein, and which shall be fitted with a cover of like material and a handle or handles to facilitate the handling of said receptacle.

Garbage designed for removal by the scavenger shall be kept in the receptacle upon the premises of the occupant not more than 50 feet from the street entrance, from which the contents can be taken by the scavengers without unreasonable difficulty, and it shall be unlawful to place garbage receptacles in or upon any street, sidewalk, or parking. Persons in the rear of whose property there is an alley, shall place the receptacle containing said garbage along the line of said alley, so that it can be conveniently taken up by the scavengers. Scavengers shall not be required to take earth, building material or refuse thereof, hay or straw, brush or branches of trees, manure, ashes, liquid substances, or any other matter except from the house or kitchen. The garbage placed in a single receptacle shall not exceed in weight 50 pounds, and the combined weight of such garbage and receptacle shall not be greater than can be easily handled by a single scavenger; at least one receptacle shall be provided for each family.

SEC. 5. Garbage shall be drawn only in conveyances approved by the health officer and shall be deposited in such place or places as such health officer shall direct or approve of. Dry débris may be deposited upon private property with the consent of the owner.

SEC. 6. In case of dispute between any scavenger and any citizen in relation to the duties of the scavenger, the scavenger shall be bound by the decision of the health officer.

SEC. 7. Before making any appointment other than a temporary appointment as scavenger, the mayor shall direct the clerk to give one week's notice by publication that proposals to do scavenger work may be filed with the city clerk, the notices to describe the districts and state the time for which appointments are to be made.

SEC. 8. In each proposal shall be named the district or districts in which the applicant proposes to work, and the compensation required by him for the work in each district named in his proposal. Each proposal shall be accompanied by a bond in the sum of \$250, executed by the applicant, with at least two good and sufficient sureties, conditioned for the faithful performance of his duties as scavenger under the provisions of all city ordinances in force during his term, and his compliance with the rules and regulations of the board of health; and the payment by him of all damages arising from or penalties incurred in the neglect or malperformance of any of his duties as scavenger.

SEC. 9. All such proposals with the accompanying bonds shall be reported to the council, and from among those whose bonds shall be approved by the council there shall be appointed for each district the person whose proposal for the work in said district shall be for the lowest sum, unless for reasons given to and approved by the council the mayor shall appoint another.

SEC. 10. Whenever, for any cause, any scavenger district shall be without the service of a scavenger, and inconvenience will result from the want of such service during the time required to secure an appointment in the regular manner, the mayor may appoint some person to perform the scavenger work in such district while proceedings to secure a regular appointment are pending and until the scavenger so appointed shall enter upon his duties. The compensation for services rendered under such tem-

porary appointment shall be fixed by the council after the service shall have been rendered.

SEC. 11. For every neglect in the performance of his duties imposed in this chapter each scavenger shall be liable in damages to persons injured thereby, and shall be subject to a penalty in each case, proportioned to the offense, not less than \$1.

SEC. 12. The health officer shall cause a printed notice to be mailed to each and every owner or occupant of any hotel, tavern, eating house, and dwelling house located in the garbage district of said city, stating that a scavenger will call for garbage at certain times mentioned in said notice, and stating the kind of garbage as nearly as may be, such owner or occupant will be required to have ready, in suitable vessels, for the scavenger when he calls for the same. A copy of section 13 of this ordinance shall be appended to such notice.

SEC. 13. Any person who shall, after notice, neglect or refuse to have the garbage upon the premises occupied by him ready for the scavenger in the manner and at the time mentioned in said notice, shall pay a penalty of \$1 for each and every day such garbage shall remain on such premises after the same has been called for by the scavenger.

SEC. 14. Any person who shall within said city deposit garbage where the same shall cause danger or inconvenience to others, or shall keep any garbage in an unsuitable receptacle or for an unreasonable length of time, so that the same shall become noxious or offensive, shall be subject to a penalty of not less than \$1 nor more than \$20 for each offense.

SEC. 15. Any person who shall willfully overturn or disturb any receptacle for garbage shall be subject to a penalty of not less than \$3 for each offense.

SEC. 16. All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed.

SEC. 17. This ordinance shall be in full force and effect from and after its legal passage. [Ordinance passed Feb. 7, 1910.]

#### ORANGE, N. J.

##### SANITARY AND PLUMBING CODE—AMENDMENT.

An ordinance to amend an ordinance entitled "The sanitary and plumbing code of the board of health of the city of Orange," adopted December 1, 1900.

1. Section 94 of the ordinance to which this is an amendment is hereby amended to read as follows:

"SEC. 94. Every master and foreman plumber, before doing any plumbing work whatever within the limits of the city of Orange, shall appear in person at the office of the board of health and register his name and place of business with the secretary; and, in case of change of address again register as aforesaid; and shall also make and execute unto this board a bond in the sum of \$500, with sufficient surety, conditioned for the faithful and proper performance, in accordance with the rules, regulations and ordinances of this board, of all plumbing work, both inside and outside of buildings, done by him in said city, which said bond is to be approved by this board: *Provided, however,* That any master plumbers' association, duly incorporated under the laws of this State, may furnish a bond, conditioned as aforesaid, for the faithful and proper performance, in accordance with the rules, regulations and ordinances of this board, of all plumbing work, both inside and outside of buildings done by any one of its members in this city, which bond, when approved by this board, will be accepted in lieu of the bonds hereinabove provided for as to all members of such association; provided the amount of the bond so furnished by said association shall equal a sum equal to \$100 multiplied by the number of members of such association registering as aforesaid; and all bonds filed under this section shall expire on the 1st day of May next following the filing thereof, and shall be renewed annually on the 1st day of May in each year."

2. All ordinances and parts of ordinances inconsistent herewith are hereby repealed. [Ordinance board of health, adopted Feb., 1911.]

# PLAGUE-PREVENTION WORK.

## DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California, on San Francisco Bay, 810 acres of land in Alameda County were covered with poison during the week ended May 13, 1911.

## Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
<b>California:</b>				
<b>Cities—</b>				
San Francisco.....	Jan. 30, 1908....	Oct. 23, 1908....	None.....	398 rats.
Oakland.....	Oct. 26, 1909....	Dec. 1, 1908....	do.....	126 rats.
Berkeley.....	Aug. 28, 1907....	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908....	do.....	Aug. 21, 1908....	1 squirrel.
<b>Counties—</b>				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909....	{ Wood rat, Oct. 17, 1909. }	{ Apr. 18, 1911.... }	{ 102 squirrels. 1 wood rat. }
Contra Costa.....	July 21, 1908....	None.....	Apr. 3, 1911....	248 squirrels.
Merced.....	None.....	do.....	Mar. 20, 1911....	3 squirrels.
Monterey.....	do.....	do.....	June 6, 1910....	4 squirrels.
San Benito.....	June 5, 1910....	do.....	July 11, 1910....	20 squirrels.
San Joaquin.....	None.....	do.....	Apr. 21, 1911....	12 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910....	1 squirrel.
Santa Clara.....	Aug. 23, 1910....	do.....	Oct. 5, 1910....	23 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910....	3 squirrels.
Stanislaus.....	do.....	do.....	Apr. 10, 1911....	11 squirrels.
<b>Washington:</b>				
<b>Cities—</b>				
Seattle.....	Oct. 30, 1907....	Feb. 8, 1910....	None.....	22 rats.

## Rats Collected and Examined for Plague Infection.

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
<b>California:</b>					
<b>Cities—</b>					
Berkeley.....	May 13.....	.....	<sup>1</sup> 100	62	.....
Oakland.....	do.....	50	<sup>2</sup> 590	465	.....
San Francisco.....	do.....	20	<sup>3</sup> 1,565	1,065	.....
<b>Counties—</b>					
Sonoma.....	.....	.....	<sup>4</sup> 1	1	.....
<b>Washington:</b>					
<b>Cities—</b>					
Seattle.....	May 13.....	.....	1,029	882	.....
Total.....	.....	.....	3,285	2,475	.....

<sup>1</sup> Identified, *Mus norvegicus* 73, *Mus musculus* 27.

<sup>2</sup> Identified, *Mus norvegicus* 530, *Mus musculus* 59, *Mus alexandrinus* 1.

<sup>3</sup> Identified, *Mus norvegicus* 901, *Mus musculus* 393, *Mus rattus* 126, *Mus alexandrinus* 145.

<sup>4</sup> Identified, *Mus norvegicus* 1.

**Squirrels Collected and Examined for Plague Infection.**

Places.	Week ended—	Trapped or shot.	Found dead.	Examined.	Found infected.
<b>California:</b>					
<b>Counties—</b>					
Alameda.....	May 13	219	12	231	
Amador.....	do.	3		3	
Colusa.....	do.	129		129	
El Dorado.....	do.	28		28	
Fresno.....	do.	115		115	
Kern.....	do.	15		15	
Lake.....	do.	69		69	
Los Angeles.....	do.	337		335	
Madera.....	do.	172		172	
Mariposa.....	do.	146		146	
Mendocino.....	do.	69	5	74	
Merced.....	do.	316	18	334	
Monterey.....	do.	1,074		1,074	
Riverside.....	do.	156		150	
San Benito.....	do.	148		148	
San Joaquin.....	do.	345		345	
San Luis Obispo.....	do.	437	5	442	
San Mateo.....	do.	88		88	
Santa Clara.....	do.	188		188	
Sonoma.....	do.	24		24	
Stanislaus.....	do.	154		154	
Tehama.....	do.	14		14	
Yolo.....	do.	57		57	
Total.....		4,303	40	4,335	

**Other Animals Collected and Examined.**

Places.	Week ended—	Animals collected.	Examined.	Found infected.
<b>California:</b>				
<b>Counties—</b>				
Fresno.....	May 13	2 rabbits, 1 owl.....	2	
Lake.....	do.	1 rabbit.....	1	
Los Angeles.....	do.	4 rabbits.....	4	
Madera.....	do.	3 rabbits.....	3	
Mariposa.....	do.	6 rabbits.....	6	
Merced.....	do.	3 rabbits, 3 weasels.....	6	
Monterey.....	do.	2 rabbits, 2 chipmunks.....	3	
Riverside.....	do.	4 rabbits.....	4	
San Benito.....	do.	4 rabbits, 1 wild cat.....	5	
San Joaquin.....	do.	7 rabbits.....	7	
San Luis Obispo.....	do.	6 rabbits.....	6	
San Mateo.....	do.	1 rabbit.....	1	
Santa Clara.....	do.	3 rabbits, 3 gophers, 1 chipmunk.....	6	
Sonoma.....	do.	2 gophers.....	2	
Stanislaus.....	do.	2 rabbits.....	2	
Total.....			58	

**SMALLPOX IN THE UNITED STATES.**

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city and, in some cases, county boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received during Week ended June 2, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
District of Columbia.....	May 14-20.....	2		
*Georgia:				
Macon.....	May 1-31.....	4		
Illinois:				
Counties—				
Adams.....	Apr. 1-30.....	4		
Alexander.....	do.....	1		
Bond.....	do.....	8		
Clinton.....	do.....	14		
Coles.....	do.....	4		
Cook.....	do.....	36		
Douglas.....	do.....	7		
Edgar.....	do.....	4		
Fulton.....	do.....	5		
Jackson.....	do.....	3		
Kane.....	do.....	15		
Logan.....	do.....	3		
McLean.....	do.....	5		
Madison.....	do.....	12		
Mercer.....	do.....	1		
Montgomery.....	do.....	6		
Morgan.....	do.....	5		
Pulaski.....	do.....	1		
St. Clair.....	do.....	7		
Shelly.....	do.....	5		
Vermilion.....	do.....	14		
White.....	do.....	12		
Total for State.....		172		
Indiana:				
Counties—				
Allen.....	Apr. 1-30.....	4		
Benton.....	do.....	1		
Blackford.....	do.....	18		
Cass.....	do.....	12		
Clark.....	do.....	12		
Clay.....	do.....	2		
Decatur.....	do.....	1		
Delaware.....	do.....	11		
Floyd.....	do.....	4		
Fountain.....	do.....	1		
Howard.....	do.....	40		
Huntington.....	do.....	1		
Jay.....	do.....	1		
Laporte.....	do.....	5		
Madison.....	do.....	18		
Marion.....	do.....	3		
Miami.....	do.....	1		
Posey.....	do.....	1		
Pulaski.....	do.....	1		
St. Joseph.....	do.....	3		
Sullivan.....	do.....	2		
Tipton.....	do.....	7		
Vermilion.....	do.....	3		
Vigo.....	do.....	1		
Wayne.....	do.....	3		
Wells.....	do.....	4		
White.....	do.....	2		
Total for State.....		162		
Louisiana:				
New Orleans.....	May 14-20.....	3		
*Missouri:				
St. Louis.....	May 17-23.....	7		
*Nebraska:				
Omaha.....	May 14-20.....	7		
South Omaha.....	May 7-13.....	3		
Total for State.....		10		
North Carolina:				
Counties—				
Alamance.....	Apr. 1-30.....	3		
Bladen.....	do.....			
Brunswick.....	do.....			
Catawba.....	do.....	1		
Chatham.....	do.....	6		
Columbus.....	do.....	3		

Present  
Do.



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received during Week Ended June 2, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>North Carolina—Continued.</b>				
<b>Counties—Continued.</b>				
Cumberland.....	Apr. 1-30.....	12		
Duplin.....	do.....	12		
Durham.....	do.....	40		
Franklin.....	do.....	14		
Guilford.....	do.....	22		
Harnett.....	do.....	58		
Haywood.....	do.....	4		
Henderson.....	do.....	3		
Johnston.....	do.....	3		
Lee.....	do.....	1		
Nash.....	do.....	1		
New Hanover.....	do.....	16		
Onslow.....	do.....	12		
Pasquotank.....	do.....	8		
Pender.....	do.....			Present.
Robeson.....	do.....	30		
Rockingham.....	do.....	1		Do.
Scotland.....	do.....	2		
Stokes.....	do.....	11		
Surry.....	do.....	6		
Union.....	do.....	3		
Vance.....	do.....	6		
Wilkes.....	do.....			
Total for State.....		278		
<b>*Tennessee:</b>				
Chattanooga.....	May 16-22.....	1		
Knoxville.....	May 14-20.....	6		
Total for State.....		7		
<b>Texas:</b>				
<b>Counties—</b>				
Falls.....	Mar. 1-31.....	12		Omitted in report, p. 599.
Cameron.....	Apr. 1-30.....	31		
Cherokee.....	do.....	1		
Clay.....	do.....	1		
Collin.....	do.....	14		
Dallas.....	do.....	15		
Denton.....	do.....	1		
Hall.....	do.....	13		
Henderson.....	do.....	4		
Hidalgo.....	do.....	7		
Lamar.....	do.....	10		
Lampasas.....	do.....	1		
Marion.....	do.....	6		
McLennan.....	do.....	5		
Nueces.....	do.....	4		
Refugio.....	do.....	2		
Tarrant.....	do.....	4		
Titus.....	do.....	1		
Upshur.....	do.....	3		
Wichita.....	do.....	18		
Williamson.....	do.....	1	1	
Total for State.....		142	1	
Vermont.....	Jan. 1-May 26.....			No cases.
<b>Washington:</b>				
<b>Counties—</b>				
Chehalis.....	Mar. 1-31.....	3		
Chelan.....	do.....	1		
Clallam.....	do.....	6		
King.....	do.....	57	2	
Lewis.....	do.....	2		
Lincoln.....	do.....	1		
Pierce.....	do.....	13		
Skagit.....	do.....	3		
Spokane.....	do.....	1		
Thurston.....	do.....	1		
Walla Walla.....	do.....	1		
Wahatcom.....	do.....	13		
Yakima.....	do.....	8		
Total for State.....		110	2	

## SMALLPOX IN THE UNITED STATES—Continued.

## Reports Received from Dec. 31, 1910, to May 26, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
<b>*Alabama:</b>				
Birmingham.....	Apr. 2-May 6.....	4		One case from steamship Alamo from New York via Key West and Tampa.
Mobile Quarantine Station.	May 8.....			
Montgomery.....	Dec. 11-Apr. 28...	28		
Total for State.....		32		
<b>California:</b>				
Counties—				
Alameda.....	Dec. 1-31.....	3		
Imperial.....	do.....	1		
Humboldt.....	Dec. 1-Jan. 31.....	2		
Kern.....	Dec. 1-31.....	1		
Los Angeles.....	do.....	1		
Mariposa.....	Jan. 1-31.....	1		
Riverside.....	Jan. 1-Feb. 28.....	7	1	
San Bernardino.....	Jan. 1-31.....	3		
San Diego.....	Dec. 1-Feb. 28.....	16	1	
San Francisco.....	do.....	11		
San Joaquin.....	Dec. 1-31.....	2		
Santa Clara.....	Feb. 1-28.....	1		
Santa Cruz.....	do.....	1		
Ventura.....	Jan. 1-31.....	9		
Total for State.....		59	2	
<b>Colorado:</b>				
Counties—				
Adams.....	Dec. 1-Jan. 31.....	6		
Arapahoe.....	Dec. 1-Feb. 28.....	19		
Archuleta.....	Dec. 1-Mar. 31.....	35		
Boulder.....	do.....	28		
Chaffee.....	Mar. 1-31.....	2		
Conejos.....	Dec. 1-31.....	2		
Costilla.....	Jan. 1-31.....	5		
Delta.....	Feb. 1-Mar. 31.....	11		
Denver.....	Dec. 1-Mar. 31.....	317		
Douglas.....	Mar. 1-31.....	1		
Eagle.....	Jan. 1-31.....	1		
Elbert.....	Feb. 1-Mar. 31.....	21		
El Paso.....	Dec. 1-Mar. 31.....	26		
Fremont.....	do.....	12		
Garfield.....	Jan. 1-31.....	4		
Gilpin.....	do.....	1		
Grand.....	Dec. 1-31.....	2		
Gunnison.....	Mar. 1-31.....	1		
Huerfano.....	Dec. 1-Mar. 31.....	20		
Jefferson.....	do.....	15		
Kit Carson.....	Jan. 1-31.....	1		
La Plata.....	Dec. 1-Mar. 31.....	24		
Larimer.....	Jan. 1-Mar. 31.....	99		
Las Animas.....	Dec. 1-Mar. 31.....	51		
Lincoln.....	Mar. 1-31.....	2		
Logan.....	do.....	2		
Mineral.....	Jan. 1-31.....	2		
Montezuma.....	Dec. 1-31.....	1		
Montrose.....	Jan. 1-Mar. 31.....	15		
Morgan.....	Dec. 1-Mar. 31.....	54		
Otero.....	Feb. 1-Mar. 31.....	11		
Phillips.....	Feb. 1-28.....	20		
Pueblo.....	Dec. 1-Mar. 31.....	6	1	
Rio Grande.....	Jan. 1-Mar. 31.....	14		
Saguache.....	Dec. 1-31.....	3		
Sedgwick.....	Mar. 1-31.....	3		
Summit.....	Feb. 1-28.....	1		
Teller.....	Jan. 1-Mar. 31.....	9		
Weld.....	Feb. 1-Mar. 31.....	10		
Yuma.....	Mar. 1-31.....	1		
Total.....		858	1	
Connecticut.....	Dec. 1-Apr. 30.....			No cases.

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
*Delaware:				
Reedy Island Quarantine..	May 1.....			One case from s. s. Haverford from Liverpool.
District of Columbia.....	Jan. 15-Apr. 29...	14		
Florida:				
Counties—				
Alachua.....	Dec. 18-Apr. 22...	88	1	
Baker.....	Jan. 8-14.....	1		
Bradford.....	Jan. 16-May 6.....	8		
Brevard.....	Feb. 19-25.....	5		
Calhoun.....	Jan. 29-Mar. 25.....	27		
Citrus.....	Jan. 8-Mar. 11.....	2		
Clay.....	May 16-22.....	11		
Dade.....	Dec. 25-May 13.....	6		
De Soto.....	Mar. 1-May 13.....	6		
Duval.....	Jan. 1-May 13.....	325	1	
Escambia.....	do.....	123		
Franklin.....	Jan. 8-May 13.....	27	1	
Gadsden.....	Dec. 18-May 13.....	128		
Hamilton.....	Mar. 26-Apr. 1.....	1		
Hillsboro.....	Dec. 25-May 13.....	130		
Jackson.....	do.....	193		
Fernando.....	Mar. 19-25.....	1		
Jefferson.....	Feb. 5-May 6.....	5		
Lafayette.....	Jan. 16-Feb. 4.....	6		
Lake.....	Jan. 22-Apr. 8.....	11		
Lee.....	Jan. 8-Mar. 4.....	21		
Leon.....	Dec. 18-May 6.....	144	2	
Levy.....	Jan. 29-May 6.....	4		
Liberty.....	Feb. 26-Apr. 15.....	7		
Madison.....	Dec. 18-Jan. 21.....	19		
Manatee.....	Mar. 26-Apr. 1.....	1		
Marion.....	May 7-13.....	1		
Nassau.....	Jan. 16-21.....	2		
Orange.....	do.....	1		
Osceola.....	Mar. 25.....	3		
Pasco.....	Apr. 2-8.....	5		
Polk.....	Dec. 18-May 13.....	142		
Putnam.....	Feb. 12-Apr. 22.....	9		
St. John.....	Jan. 22-May 6.....	7		
Santa Rosa.....	Jan. 8-Apr. 29.....	38		
Sumpter.....	May 7-13.....	1		
Suwanee.....	Jan. 16-21.....	1		
Taylor.....	Jan. 8-Feb. 4.....	140		
Volusia.....	Jan. 22-Mar. 4.....	14		
Wakula.....	Mar. 1-31.....	2		
Walton.....	Dec. 25-Feb. 25.....	8		
Washington.....	Jan. 8-Apr. 8.....	8		
Total for State.....		1,682	5	
*Georgia:				
Macon.....	Mar. 1-31.....	10		
Illinois:				
Counties—				
Adams.....	Feb. 1-Mar. 31.....	2		
Bond.....	Jan. 1-Feb. 28.....	2		
Carroll.....	Feb. 1-28.....	1		
Clay.....	Feb. 1-Mar. 31.....	4		
Clinton.....	Mar. 1-31.....	30		
Coles.....	Dec. 1-Mar. 31.....	11		
Cook, exclusive of Chicago.....	Dec. 1-Jan. 31.....	3		
Chicago.....	do.....	20		
Douglas.....	Mar. 1-31.....	1		
Edgar.....	do.....	5		
Effingham.....	Dec. 31-Feb. 28.....	2		
Jackson.....	Mar. 1-31.....	5		
Jasper.....	Dec. 1-31.....	4		
Jefferson.....	do.....	4		
Kane.....	Dec. 1-Mar. 31.....	15		
Livingston.....	Mar. 1-31.....	1		
McLean.....	Jan. 1-Feb. 28.....	18		
Macoupin.....	Feb. 1-Mar. 31.....	2		
Madison.....	Dec. 1-Mar. 31.....	10		
Massac.....	Mar. 1-31.....	1		
Peoria.....	Dec. 1-Mar. 31.....	9		
Perry.....	Dec. 1-31.....	2		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Illinois—Continued.</b>				
Counties—Continued.				
Pulaski.....	Mar. 1-31.....	2		
Rock Island.....	do.....	1		
Saline.....	Jan. 1-Feb. 28.....	8		
Shelby.....	Mar. 1-31.....	3		
Stevenson.....	Jan. 1-31.....	3		
Tazewell.....	Mar. 1-31.....	2		
Union.....	Dec. 1-Feb. 28.....	17		
Vermilion.....	Jan. 1-Mar. 31.....	6		
Washington.....	Feb. 1-28.....	1		
Williamson.....	Jan. 1-31.....	1		
Total for State.....		196		
<b>Indiana:</b>				
Counties—				
Adams.....	Feb. 1-28.....	6		
Allen.....	do.....	1		
Blackford.....	do.....	3		
Cass.....	Jan. 1-Mar. 31.....	17	1	
Clark.....	Mar. 1-31.....	9		
Clay.....	Feb. 1-Mar. 31.....	9		
Davies.....	Feb. 1-28.....	1		
Decatur.....	Jan. 1-Feb. 28.....	3		
Dekalb.....	Dec. 1-Feb. 28.....	9		
Delaware.....	Feb. 1-Mar. 31.....	8		
Elkhart.....	Dec. 1-31.....	5		
Fountain.....	Mar. 1-31.....	2	1	
Greene.....	Feb. 1-28.....	1		
Howard.....	Dec. 1-Mar. 31.....	9		
Huntington.....	Feb. 1-Mar. 31.....	4		
Jennings.....	Jan. 1-31.....	6		
Knox.....	Dec. 1-Mar. 31.....	11		
Lake.....	Mar. 1-31.....	1		
Madison.....	Dec. 1-Mar. 31.....	181		
Marion.....	Jan. 1-Mar. 31.....	2		
Montgomery.....	Dec. 1-Mar. 31.....	15		
Monroe.....	Mar. 1-31.....	1		
Noble.....	Jan. 1-31.....	1		
Posey.....	do.....	1		
Shelby.....	Mar. 1-31.....	25		
St. Joseph.....	Feb. 1-Mar. 31.....	5		
Steuben.....	Jan. 1-Feb. 28.....	7		
Sullivan.....	Mar. 1-31.....	1		
Tippecanoe.....	do.....	1		
Vigo.....	Jan. 1-Mar. 31.....	23		
Wabash.....	Feb. 1-Mar. 31.....	18		
Warren.....	Jan. 1-Mar. 31.....	2		
Wayne.....	do.....	25		
Wells.....	Mar. 1-31.....	3		
Total for State.....		416	2	
<b>Iowa:</b>				
Counties—				
Benton.....	Jan. 1-Apr. 30.....	13		
Blackhawk.....	Feb. 1-Apr. 30.....	28		
Boone.....	Feb. 1-28.....	1		
Buena Vista.....	Dec. 1-31.....	1		
Carroll.....	Mar. 1-31.....	3		
Cherokee.....	do.....	1		
Dallas.....	Feb. 1-Mar. 31.....	3		
Decatur.....	Mar. 1-31.....	2		
Dubuque.....	Feb. 1-28.....	1		
Fayette.....	Apr. 1-30.....	2		
Fremont.....	Feb. 1-Mar. 31.....	8		
Grundy.....	Apr. 1-30.....	1		
Guthrie.....	Jan. 1-Apr. 30.....	8		
Hancock.....	Jan. 1-31.....	3		
Iowa.....	Apr. 1-30.....	1		
Jasper.....	do.....	3		
Jefferson.....			1	Year 1910, in delinquent report received after Jan. 1, 1911.
Johnson.....	Jan. 1-31.....	1		
Jones.....	Apr. 1-30.....	1		
Keokuk.....	do.....	7		
Lee.....	Dec. 1-31.....	1		
Linn.....	Dec. 1-Apr. 30.....	122	1	
Lucas.....	Jan. 1-31.....	1		
Lyon.....	Dec. 1-Apr. 30.....	5		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Iowa—Continued.</b>				
<b>Counties—Continued.</b>				
Madison.....	Apr. 1-30.....	1		
Mahaska.....	Feb. 1-28.....	1		
Marshall.....	Dec. 1-Apr. 30....	17		
Mills.....	Apr. 1-30.....	3		
Montgomery.....	do.....	3		
Muscatine.....	Mar. 1-31.....	1		
Page.....	Dec. 1-Mar. 31....	36	1	
Plymouth.....	Mar. 1-Apr. 30....	2		
Polk.....	Dec. 1-Apr. 30....	38		
Pottawattamie.....	Jan. 1-Apr. 30....	18		
Sac.....	Apr. 1-30.....	16		
Scott.....	Dec. 1-Feb. 28....	7		
Sioux.....	Feb. 1-Mar. 31....	2		
Tama.....	Mar. 1-31.....	1		
Taylor.....	Dec. 1-31.....	64		
Union.....	Jan. 1-Feb. 28....	3		
Warren.....	Dec. 1-Apr. 30....	3		
Webster.....	Dec. 1-31.....	10		
Winnebago.....	Jan. 1-31.....	1		
Woodbury.....	Dec. 1-Mar. 31....	15		
Total for State.....		459	3	
<b>Kansas:</b>				
<b>Counties—</b>				
Pawnee.....	Nov. 1-30.....	1		
Reno.....	do.....	1		
Allen.....	Dec. 1-Feb. 28....	7		
Anderson.....	Jan. 1-31.....	1		
Atchison.....	Dec. 1-Mar. 31....	32		
Barton.....	Feb. 1-Mar. 28....	2		
Bourbon.....	Mar. 1-31.....	8		
Brown.....	Dec. 1-Mar. 31....	57	1	
Butler.....	Dec. 1-Jan. 31....	2		
Cherokee.....	Dec. 1-Mar. 31....	119		
Clay.....	Dec. 1-Feb. 28....	15		
Cloud.....	Feb. 1-Mar. 31....	76		
Crawford.....	Feb. 1-28.....	3		
Decatur.....	Dec. 1-31.....	1		
Dickinson.....	Dec. 1-Mar. 31....	34		
Doniphan.....	do.....	23		
Douglas.....	Jan. 1-Feb. 28....	7		
Ford.....	Mar. 1-31.....	1		
Greenwood.....	Feb. 1-Mar. 31....	92		
Harper.....	Jan. 1-Mar. 31....	20		
Jackson.....	Feb. 1-Mar. 31....	11		
Jefferson.....	Dec. 1-Mar. 31....	13		
Jewell.....	Jan. 1-31.....	17		
Johnson.....	Dec. 1-Mar. 31....	34		
Kearny.....	Jan. 1-Mar. 31....	7		
Kingman.....	Dec. 1-Feb. 28....	2		
Leavenworth.....	Jan. 1-Mar. 31....	11		
Leavenworth.....	Dec. 1-Mar. 31....	5	1	
Linn.....	Mar. 1-31.....	3		
Lyon.....	Jan. 1-31.....	1		
McPherson.....	Feb. 1-Mar. 31....	6		
Marion.....	Jan. 1-Feb. 28....	6		
Marshall.....	Dec. 1-Mar. 31....	136		
Miami.....	Feb. 1-28.....	1		
Mitchell.....	Apr. 1-30.....	18		
Montgomery.....	Dec. 1-Mar. 31....	30		
Morris.....	Mar. 1-31.....	9		
Morton.....	Jan. 1-Feb. 28....	12		
Nemaha.....	Dec. 1-Feb. 28....	8		
Norton.....	Jan. 1-Mar. 31....	5		
Osage.....	Dec. 1-Mar. 31....	2	2	
Ottawa.....	Feb. 1-Mar. 31....	39		
Pottawatomie.....	Jan. 1-Mar. 31....	19		
Reno.....	Dec. 1-31.....	1		
Republic.....	Mar. 1-31.....	9		
Riley.....	Jan. 1-31.....	8		
Rooks.....	Dec. 1-Mar. 31....	2		
Russell.....	Jan. 1-Feb. 28....	2	1	
Saline.....	Jan. 1-Mar. 31....	29		
Sedgwick.....	do.....	5		
Shawnee.....	Dec. 1-Mar. 31....	14		
Sumner.....	Dec. 1-31.....	6		
Washington.....	Jan. 1-Feb. 28....	5		
Wichita.....	Feb. 1-28.....	2		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas—Continued.</b>				
Counties—Continued.				
Wilson.....	Feb. 1-28.....	1		
Wyandotte, exclusive of Kansas City.	Dec. 1.....	15		
Kansas City.....	Dec. 1-Mar. 31....	52		
Total for State....		1,048	3	
<b>*Kentucky:</b>				
Henderson.....	Feb. 22-28.....	4		
Lexington.....	Feb. 26-Apr. 8....	3		
Newport.....	Apr. 23-May 6....	2		
Paducah.....	Jan. 23-Apr. 22....	33		
Total for State....		42		
<b>Louisiana:</b>				
Parishes—				
Ascension.....	Dec. 1-31.....	1		
Calcasieu.....	Jan. 1-31.....	13	1	
East Baton Rouge....	Dec. 1-31.....	25		
East Feliciana.....	do.....	30		
Iberville.....	do.....	6		
Lafourche.....	Jan. 1-31.....	16		
Orleans—				
New Orleans.....	Dec. 18-May 13....	217	1	
Rapides.....	Dec. 1-31.....	1		
St. Charles.....	do.....	4		
St. John.....	do.....	1		
Tangipahoa.....	Nov. 1-Dec. 31....	22		
Tensas.....	Dec. 1-Jan. 31....	20		
Washington.....	do.....	5		
Total for State....		361	2	
<b>Maine.....</b>	Dec. 1-Mar. 31....			No cases.
Counties—				
Penobscot.....	Apr. 1-30.....	1		
Piscataquis.....	do.....	1		
Total for State....		2		
<b>Maryland.....</b>				December and March, no cases.
Counties—				
Baltimore.....	Feb. 1-28.....	2		
Garrett.....	Jan. 1-Feb. 28....	10		
Washington.....	Apr. 1-30.....	5		
Total for State....		17		
<b>Massachusetts.....</b>				Nov. 1-Mar. 31, no cases.
Counties—				
Suffolk.....	Apr. 1-30.....	1		
<b>Michigan.....</b>	Jan. 1-Feb. 28....	16		Not previously reported.
Counties—				
Alcona.....	Dec. 1-31.....	1		
Alger.....	Dec. 1-Feb. 28....	2		
Alpena.....	Jan. 1-Mar. 31....	2		
Antrim.....	do.....	8		
Arenac.....	Dec. 1-Jan. 31....	7		
Bay.....	do.....	2		
Barry.....	Feb. 1-28.....	1		
Calhoun.....	Dec. 1-Feb. 28....	17	1	
Cass.....	Feb. 1-28.....	2		
Charlevoix.....	Dec. 1-Feb. 28....	24		
Cheboygan.....	Dec. 1-Mar. 31....	38		
Chippewa.....	Mar. 1-31.....	1		
Clare.....	Jan. 1-31.....	8		
Clinton.....	Dec. 1-31.....	3		
Crawford.....	Dec. 1-Jan. 31....	6		
Eaton.....	do.....	6		
Emmet.....	Jan. 1-Mar. 31....	84		
Genesee.....	Dec. 1-Feb. 28....	14	1	
Gladwin.....	do.....	4	1	
Grand Traverse.....	Dec. 1-Mar. 31....	4		
Gratiot.....	Dec. 1-Feb. 28....	10		
Houghton.....	Feb. 1-28.....	5		
Huron.....	Jan. 1-31.....	8		
Ingham.....	Dec. 1-Mar. 31....	4		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Michigan—Continued.</b>				
<b>Counties—Continued.</b>				
Ionla.....	Jan. 1-Mar. 31.....	25		
Isabella.....	Dec. 1-Mar. 31.....	22		
Kalamazoo.....	Dec. 1-Jan. 31.....	6		
Kent.....	Mar. 1-31.....	2		
Keweenaw.....	Dec. 1-Feb. 28.....	16		
Lake.....	Dec. 1-31.....	3		
Lapeer.....	.....do.....	1		
Leelanau.....	Jan. 1-31.....	2		
Livingston.....	Feb. 1-28.....	1		
Mackinac.....	.....do.....	4		
Macomb.....	Feb. 1-Mar. 31.....	14		
Marquette.....	Dec. 1-Mar. 31.....	11		
Mason.....	Mar. 1-31.....	2		
Midland.....	Dec. 1-31.....	3		
Missaukee.....	.....do.....	3		
Monroe.....	.....do.....	2		
Muskegon.....	Jan. 1-Mar. 31.....	2		
Newaygo.....	Jan. 1-31.....	3		
Oceana.....	Mar. 1-31.....	15		
Presque Isle.....	Dec. 1-Mar. 31.....	2		
Saginaw.....	.....do.....	4	3	
Sanilac.....	Jan 1-Feb. 28.....	8		
St. Clair.....	Dec. 1-Mar. 31.....	10		
Shiawassee.....	Mar. 1-31.....	3		
Tuscola.....	.....do.....	1		
Washtenaw.....	Dec. 1-Jan. 31.....	3		
Wayne.....	Dec. 1-Mar. 31.....	6		
Wexford.....	.....do.....	6		
Total for State.....		457	6	
<b>Minnesota:</b>				
<b>Counties—</b>				
Beltrami.....	Dec. 19-Feb. 13.....	6		
Bigstone.....	Dec. 26-Jan. 1.....	1		
Blue Earth.....	Dec. 19-Mar. 20.....	2		
Cass.....	Apr. 25-May 1.....	4		
Dakota.....	Feb. 1-Mar. 27.....	2		
Douglas.....	Dec. 5-Apr. 17.....	4		
Fillmore.....	Nov. 27-Apr. 24.....	6		
Hennepin.....	Dec. 3-Apr. 3.....	103		
Hubbard.....	Apr. 25-May 1.....	1		
Itasca.....	Feb. 20-27.....	1		
Kandiyohi.....	Jan. 24-30.....	1		
Koochiching.....	Dec. 5-Feb. 13.....	12		
Lac qui Parle.....	Jan. 10-16.....	1		
Le Sueur.....	Dec. 26-Mar. 16.....	5		
Lyon.....	Feb. 14-Apr. 10.....	8		
Marshall.....	Mar. 1-6.....	1		
Mower.....	Apr. 18-May 1.....	4		
Murray.....	Jan. 17-Apr. 6.....	7		
Nobles.....	Dec. 5-Feb. 27.....	4		
Norman.....	Dec. 12-May 1.....	27		
Olmstead.....	Jan. 10-Apr. 10.....	7		
Ottertail.....	Mar. 7-May 1.....	8		
Pipestone.....	Jan. 10-Apr. 17.....	12		
Pope.....	Jan. 3-9.....	3		
Ramsey.....	Dec. 5-May 1.....	266		
Redwood.....	Apr. 25-May 1.....	1		
Renville.....	Apr. 11-17.....	3		
Rice.....	Feb. 14-20.....	1		
Rock.....	Feb. 1-Apr. 24.....	2		
Sherburne.....	Apr. 18-May 1.....	2		
St. Louis.....	Nov. 27-Apr. 10.....	10		
Sibley.....	Dec. 26-Jan. 16.....	2		
Steele.....	Mar. 1-31.....	1		
Todd.....	Dec. 5-Apr. 10.....	25		
Traverse.....	Feb. 1-6.....	1		
Wabasha.....	Dec. 26-Mar. 6.....	2		
Wadena.....	Dec. 26-Jan. 2.....	2		
Washington.....	Feb. 7-Mar. 20.....	10		
Winona.....	Jan. 17-23.....	1		
Yellow Medicine.....	Apr. 25-May 1.....	1		
Total for State.....		560		
*Mississippi:				
Biloxi.....	Mar. 13.....			Present.

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>*Missouri:</b>				
Kansas City.....	Nov. 1-Apr. 29.....	288		
St. Joseph.....	Feb. 5-18.....	16		
St. Louis.....	Dec. 18-May 5.....	75	1	
Springfield.....	Feb. 5-May 6.....	32		
Total for State.....		411	1	
<b>Montana:</b>				
Counties—				
Beaverhead.....	Jan. 1-Mar. 31.....	5		
Carbon.....	Mar. 1-31.....	1		
Cascade.....	Dec. 1-Mar. 31.....	25		
Chouteau.....	Jan. 1-Feb. 28.....	8		
Custer.....	Dec. 1-Jan. 31.....	2		
Dawson.....	Nov. 1-Mar. 31.....	10		
Deer Lodge.....	do.....	18	1	
Gallatin.....	Feb. 1-28.....	1		
Jefferson.....	do.....	1		
Lewis and Clark.....	Feb. 1-Mar. 31.....	2		
Missoula.....	Jan. 1-31.....	2		
Powell.....	do.....	1		
Ravalli.....	Dec. 1-Mar. 31.....	12		
Silver Bow, exclusive of Butte.....	Nov. 1-Mar. 31.....	33		
Butte.....	do.....	74		
Teton.....	Jan. 1-Mar. 31.....	16		
Total for State.....		211	1	
<b>*Nebraska:</b>				
Lincoln.....	Dec. 1-Jan. 31.....	31		
Omaha.....	Apr. 1-May 13.....	37		
South Omaha.....	Jan. 1-Apr. 29.....	21		
Total for State.....		89		
<b>New Jersey:</b>				
Counties—				
Bergen.....	Dec. 1-Mar. 31.....	3		
Camden.....	Mar 1-31.....	1		
Middlesex.....	Jan. 1-31.....	1		
Salem.....	Jan. 1-Feb. 28.....	27		
Total for State.....		32		
<b>New York:</b>				
Counties—				
Allegany.....	Nov. 1-30.....	1		
Chautauqua.....	Jan. 1-31.....	4		
Columbia.....	do.....	1		
Erle.....	Mar. 1-31.....	4		
New York.....	do.....	1		
Niagara.....	Dec. 1-Jan. 31.....	2		
Onondaga.....	Jan. 1-31.....	1		
St. Lawrence.....	Feb. 1-Mar. 31.....	5		
Steuben.....	Feb. 1-28.....	1		
Tioga.....	Dec. 1-31.....	1		
Tompkins.....	Nov. 1-30.....	1		
Total for State.....		22		
<b>North Carolina:</b>				
Counties—				
Alamance.....	Jan. 1-Mar. 31.....	17		
Beaufort.....	Dec. 1-Mar. 31.....	43		
Bertie.....	Jan. 1-Feb. 28.....	2		
Bladen.....	Nov. 1-Mar. 31.....	125		Feb. 1-28, present.
Brunswick.....	Dec. 1-Mar. 31.....	56		
Burke.....	Jan. 1-Mar. 31.....	5		
Carteret.....	Nov. 1-Jan. 31.....	4		
Caswell.....	Jan. 1-31.....	9		
Chatham.....	Dec. 1-Mar. 31.....	76		
Cherokee.....	Feb. 1-28.....	15		Present.
Cleveland.....	Jan. 1-31.....			
Columbus.....	Nov. 1-Mar. 31.....	78		
Craven.....	Jan. 1-Mar. 31.....	13		
Cumberland.....	Nov. 1-Mar. 31.....	58		
Currituck.....	Jan. 1-31.....	2		
Duplin.....	Dec. 1-Mar. 31.....	50		
Durham.....	Nov. 1-Mar. 31.....	530		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>North Carolina—Continued.</b>				
<b>Counties—Continued.</b>				
Edgecombe.....	Nov. 4-Jan. 31....	7	.....	
Forsyth.....	Mar. 1-31.....	3	.....	
Franklin.....	Nov. 1-30.....	1	.....	
Granville.....	Dec. 1-Feb. 28....	28	.....	
Guilford.....	Mar. 1-31.....	15	.....	
Halifax.....	do.....	1	.....	
Harnett.....	do.....	5	.....	
Henderson.....	Dec. 1-Mar. 31....	36	.....	
Hertford.....	Dec. 1-31.....	1	.....	
Iredell.....	Mar. 1-31.....	4	.....	
Jackson.....	do.....	4	.....	
Johnston.....	Dec. 1-Mar. 31....	8	.....	Jan. 1-31, present.
Jones.....	Jan. 1-Mar. 31....	14	.....	
Lee.....	Dec. 1-Mar. 31....	11	.....	
Lenoir.....	Jan. 1-31.....	2	.....	
Martin.....	Nov. 1-Dec. 31....	17	.....	
Mecklenburg.....	Jan. 1-Feb. 28....	7	.....	
Nash.....	Nov. 1-30.....	6	.....	
New Hanover.....	Nov. 1-Mar. 31....	717	.....	
Northampton.....	Jan. 1-Mar. 31....	21	.....	
Onslow.....	Dec. 1-Mar. 31....	78	.....	Feb. 1-28, present.
Orange.....	Jan. 1-31.....	12	.....	
Pasquotank.....	Nov. 1-31.....	1	.....	Feb. 1-Mar. 31, present.
Pender.....	Nov. 1-Jan. 31....	127	.....	
Person.....	Jan. 1-Feb. 28....	2	.....	
Pitt.....	Nov. 1-Feb. 28....	34	.....	Feb. 1-28, present.
Robeson.....	Nov. 1-Mar. 31....	210	.....	
Rowan.....	Dec. 1-Feb. 28....	5	.....	
Rutherford.....	Feb. 1-28.....	1	.....	Mar. 1-31, present.
Sampson.....	Dec. 1-Feb. 28....	33	.....	
Scotland.....	Feb. 1-28.....	6	.....	
Union.....	Nov. 1-Mar. 31....	7	.....	
Vance.....	Jan. 1-Mar. 31....	32	.....	
Wake.....	Nov. 1-Mar. 31....	61	.....	
Washington.....	Jan. 1-31.....	2	.....	
Watauga.....	Feb. 1-28.....	1	.....	
Wayne.....	Dec. 1-Feb. 28....	14	.....	
Wilkes.....	Jan. 1-Feb. 28....	2	.....	
Total for State.....		2,619		
<b>North Dakota:</b>				
<b>Counties—</b>				
Billings.....	Jan. 1-Mar. 31....	27	.....	
Cass.....	Dec. 1-31.....	1	.....	
Grand Forks.....	Jan. 1-31.....	1	.....	
Lamoure.....	Feb. 1-28.....	6	.....	
McIntosh.....	Jan. 1-Feb. 28....	2	.....	
Morton.....	Dec. 1-31.....	1	.....	
Nelson.....	Mar. 1-31.....	1	.....	
Ramsey.....	Jan. 1-31.....	1	.....	
Steele.....	Dec. 1-Jan. 31....	19	.....	
Stutsman.....	Jan. 1-Feb. 28....	17	.....	
Wells.....	Mar. 1-31.....	1	.....	
Total for State.....		77		
<b>Ohio:</b>				
<b>Counties—</b>				
Adams.....	Apr. 1-30.....	25	.....	
Ashland.....	Jan. 1-Apr. 30....	3	.....	
Butler.....	Mar. 1-31.....	1	.....	
Clark.....	Jan. 1-Apr. 30....	60	1	
Cuyahoga.....	Mar. 1-Apr. 30....	5	.....	
Darke.....	do.....	17	.....	
Delaware.....	Feb. 1-Mar. 31....	2	.....	
Franklin.....	Dec. 1-Apr. 30....	14	.....	
Fulton.....	Jan. 1-31.....	4	.....	
Hardin.....	Apr. 1-30.....	1	.....	
Hamilton.....	Dec. 1-Apr. 30....	21	.....	
Lorain.....	Dec. 1-31.....	2	.....	
Lucas.....	Mar. 1-Apr. 30....	7	.....	
Marion.....	do.....	71	.....	
Miami.....	Feb. 1-28.....	1	.....	
Monroe.....	Mar. 1-31.....	1	.....	
Montgomery.....	Jan. 1-Feb. 28....	2	.....	
Portage.....	Dec. 1-31.....	1	.....	
Ross.....	Jan. 1-31.....	1	.....	
Scioto.....	Mar. 1-Apr. 30....	8	.....	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Ohio—Continued.</b>				
<b>Counties—Continued.</b>				
Williams.....	Jan. 1-Mar. 31.....	4	.....	
Wood.....	Mar. 1-Apr. 30.....	4	.....	
Total for State.....		255	1	
<b>Oklahoma:</b>				
<b>Counties—</b>				
Adair.....	Nov. 1-30.....	1	.....	
Atoka.....	Dec. 1-Feb. 28.....	2	.....	
Beckham.....	Nov. 1-Mar. 31.....	80	.....	
Blaine.....	Nov. 1-Feb. 28.....	19	.....	
Bryan.....	Nov. 1-Mar. 31.....	28	.....	
Caddo.....	do.....	30	.....	
Canadian.....	Nov. 1-Jan. 31.....	34	.....	
Carter.....	Mar. 1-31.....	3	.....	
Cherokee.....	Jan. 1-Feb. 28.....	4	.....	
Choctaw.....	Jan. 1-Mar. 31.....	24	.....	
Cleveland.....	Feb. 1-Mar. 31.....	13	.....	
Coal.....	Feb. 1-28.....	20	1	
Comanche.....	Jan. 1-Mar. 31.....	8	.....	
Creek.....	Mar. 1-31.....	28	.....	
Custer.....	Dec. 1-Jan. 31.....	9	.....	
Garfield.....	Dec. 1-Feb. 28.....	2	.....	
Grady.....	Nov. 1-Feb. 28.....	7	1	
Green.....	Nov. 1-30.....	1	.....	
Hughes.....	Nov. 1-Mar. 31.....	62	.....	
Jackson.....	Jan. 1-Mar. 31.....	71	.....	
Johnston.....	Jan. 1-31.....	1	.....	
Kay.....	Dec. 1-31.....	1	.....	
Kingfisher.....	Feb. 1-Mar. 31.....	3	.....	
Kiowa.....	do.....	3	.....	
Latimer.....	Dec. 1-31.....	1	.....	
Le Flore.....	Mar. 1-31.....	2	.....	
Lincoln.....	Jan. 1-Mar. 31.....	71	.....	
McClain.....	Mar. 1-31.....	4	.....	
McCurtain.....	Jan. 1-Mar. 31.....	43	.....	
McIntosh.....	Nov. 1-Dec. 31.....	12	.....	
Major.....	Dec. 1-31.....	4	.....	
Marshall.....	Nov. 1-Mar. 31.....	12	.....	
Muskogee.....	Feb. 1-28.....	1	.....	
Noble.....	Mar. 1-31.....	2	.....	
Nowata.....	Jan. 1-Mar. 31.....	12	.....	
Okfuskee.....	do.....	12	.....	
Oklahoma.....	Dec. 1-Mar. 31.....	24	.....	
Okmulgee.....	Jan. 1-Mar. 31.....	25	.....	
Osage.....	Dec. 1-Jan. 31.....	3	.....	
Payne.....	Feb. 1-Mar. 31.....	6	.....	
Pittsburg.....	Dec. 1-Feb. 28.....	4	.....	
Pontotoc.....	Jan. 1-Mar. 31.....	8	.....	
Pottawatomie.....	Jan. 1-31.....	6	.....	
Roger Mills.....	Mar. 1-31.....	1	.....	
Seminole.....	Dec. 1-Jan. 31.....	9	.....	
Stephens.....	Dec. 1-31.....	1	.....	
Tulsa.....	Nov. 1-Mar. 31.....	10	.....	
Washington.....	Dec. 1-Feb. 28.....	2	.....	
Washita.....	Nov. 1-Mar. 31.....	18	.....	
Woods.....	Dec. 1-Jan. 31.....	11	.....	
Total for State.....		758	2	
<b>Oregon:</b>				
<b>Counties—</b>				
Baker.....	Jan. 1-31.....	2	.....	
Benton.....	Dec. 1-Mar. 31.....	2	.....	
Columbia.....	Jan. 1-31.....	1	.....	
Marion.....	Dec. 1-Feb. 28.....	10	4	
Multnomah.....	Oct. 1-Nov. 30.....	8	.....	
Polk.....	Nov. 1-30.....	1	.....	
Umatilla.....	Dec. 1-31.....	1	.....	
Union.....	Jan. 1-31.....	1	.....	
Total for State.....		26	4	
<b>Pennsylvania, entire State.....</b>				
	Oct. 1-31.....			No cases.
	Nov. 1-Mar. 31.....	31	1	



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>*South Carolina:</b>				
Camden.....	Jan. 15-21.....	1		
Charleston.....	Feb. 1-Apr. 30.....	10		
Seven Mile.....	Mar. 1.....	9	1	
Total for State.....		20	1	
<b>*Tennessee:</b>				
Counties—				
Davidson—				
Nashville.....	Jan. 8-Mar. 18.....	6		
Hamilton—				
Chattanooga.....	Jan. 1-Apr. 29.....	10	1	
Knox—				
Knoxville.....	Jan. 22-May 13.....	69		
Shelby.....	Nov. 1-Apr. 30.....	402	3	
Total for State.....		487	4	
<b>Texas:</b>				
Feb. 1-28.....			3	Reported out of date.
Counties—				
Bell.....	do.....	1		
Bowie.....	Mar. 1-31.....	4		
Cameron.....	Nov. 1-Mar. 31.....	110		
Cherokee.....	Jan. 1-Feb. 28.....	4		
Collin.....	Jan. 1-31.....	20		
Dallas.....	Dec. 1-31.....	24		
Denton.....	Mar. 1-31.....	2		
Dewitt.....	Feb. 1-28.....	4		
El Paso.....	Jan. 1-Feb. 28.....	48	3	
Grimes.....	Nov. 1-30.....	4		
Guadalupe.....	Jan. 1-31.....	5	2	
Harrison.....	Mar. 1-31.....	5		
Henderson.....	Nov. 1-Mar. 31.....	19		
Hidalgo.....	Dec. 1-31.....	1		
Houston.....	Mar. 1-31.....	2		
Jones.....	Jan. 1-31.....	3		
Lamar.....	Mar. 1-31.....	1		
McLennan.....	Nov. 1-Mar. 31.....	15		
Waco.....	Jan. 1-31.....	7		
Marlon.....	Dec. 1-Mar. 31.....	38		
Matagorda.....	Jan. 1-31.....	5		
Mitchell.....	Mar. 1-31.....	1		
Nueces.....	Jan. 1-Feb. 28.....	4		
Orange.....	do.....	9		
Palo Pinto.....	Mar. 1-31.....	1		
Red River.....	do.....	1		
Refugio.....	do.....	1		
Runnels.....	Jan. 1-31.....	1		
Swisher.....	Dec. 1-31.....	2		
Tarrant.....	Dec. 1-Mar. 31.....	12		
Taylor.....	Jan. 1-31.....	1		
Upshur.....	Mar. 1-31.....	6		
Uvalde.....	Jan. 1-31.....	1		
Van Zant.....	Feb. 1-28.....	1		
Wills Point.....	Nov. 1-Jan. 31.....	8	1	
Wichita.....	Mar. 1-31.....	10		
Total for State.....		381	9	
<b>Utah:</b>				
Counties—				
Beaver.....	Nov. 1-Mar. 31.....	134	1	
Boxelder.....	Jan. 1-Mar. 31.....	65		
Cache.....	Nov. 1-Mar. 31.....	36		
Davis.....	Dec. 1-Jan. 31.....	4		
Garfield.....	Mar. 1-31.....	3		
Iron.....	Nov. 1-Feb. 28.....	83		
Juab.....	Nov. 1-Mar. 31.....	13		
Millard.....	Nov. 1-Feb. 28.....	50		
Plute.....	Jan. 1-31.....	14		
Rich.....	Feb. 1-28.....	13		
Salt Lake.....	Nov. 1-Mar. 31.....	83		
Sanpete.....	Dec. 1-Mar. 31.....	17		
Sevier.....	Dec. 1-Feb. 28.....	52		
Utah.....	Jan. 1-Mar. 31.....	75		
Washington.....	Nov. 1-Mar. 31.....	65		
Weber.....	do.....	68		
Total for State.....		775	1	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Virginia:</b>				
<b>Counties—</b>				
Appomattox.....	Jan. 1-31.....	3		
Alexandria.....	do.....	5		
Culpeper.....	Jan. 1-Feb. 28.....	4		
Dinwiddie.....	Jan. 1-31.....	1		
Fairfax.....	Jan. 1-Feb. 28.....	3		
Fauquier.....	do.....	42		
Frederick.....	Jan. 1-31.....	4		
Lee.....	Jan. 1-Feb. 28.....	270		
Loudoun.....	do.....	7		
Lunenburg.....	Jan. 1-31.....	8		
Nansemond.....	do.....	4		
Prince William.....	Feb. 1-28.....	2		
Roanoke.....	Jan. 1-31.....	1		
Southampton.....	do.....	1		
Stafford.....	do.....	10		
Wise.....	do.....	7		
<b>Total for State.....</b>		<b>372</b>		
<b>Washington:</b>				
<b>Counties—</b>				
Chelan.....	Jan. 1-31.....	1		
Clallam.....	Jan. 1-Feb. 28.....	28		
Ferry.....	Jan. 1-31.....	1		
King.....	Dec. 1-Feb. 28.....	82		
Lincoln.....	Feb. 1-28.....	1		
Pacific.....	Jan. 1-31.....	1		
Pierce.....	Dec. 1-Feb. 28.....	36		
Skagit.....	Nov. 1-Feb. 28.....	108		
Snohomish.....	Dec. 1-Jan. 31.....	10		
Spokane.....	Nov. 1-Feb. 28.....	4		
Stevens.....	Dec. 1-Feb. 28.....	2		
Walla Walla.....	Jan. 1-31.....	1		
Whatcom.....	Jan. 1-Feb. 28.....	54		
Yakima.....	do.....	3		
<b>Total for State.....</b>		<b>332</b>		
<b>Wisconsin:</b>				
<b>Counties—</b>				
Ashland.....	Jan. 1-Feb. 28.....	6		
Barron.....	Jan. 1-Apr. 30.....	6		
Bayfield.....	Apr. 1-30.....	2		
Buffalo.....	Feb. 1-28.....	1		
Chippewa.....	Dec. 1-Mar. 31.....	12		
Clark.....	Apr. 1-30.....	1		
Dane.....	Jan. 1-Apr. 30.....	3		
Douglas.....	Feb. 1-Apr. 30.....	12		
Dunn.....	Dec. 1-Mar. 31.....	18		
Eau Claire.....	Feb. 1-28.....	4		
Green.....	Jan. 1-31.....	2		
Iowa.....	Dec. 1-Apr. 30.....	80		
Iron.....	Mar. 1-31.....	1		
Jefferson.....	Dec. 1-Jan. 31.....	10		
Lafayette.....	Dec. 1-Feb. 28.....	11		
La Crosse.....	Dec. 1-Apr. 30.....	13		
Lincoln.....	Feb. 1-Mar. 31.....	2		
Milwaukee.....	Dec. 1-Apr. 30.....	12		
Monroe.....	Mar. 1-Apr. 30.....	3		
Oneida.....	Dec. 1-Apr. 30.....	12		
Pierce.....	Feb. 1-28.....	1		
Price.....	Mar. 1-Apr. 30.....	3		
Rusk.....	do.....	5		
Sheboygan.....	Mar. 1-31.....	1		
St. Croix.....	Dec. 1-Feb. 28.....	7		
Vernon.....	Jan. 1-Feb. 28.....	10		
Vilas.....	Dec. 1-31.....	1		
Walworth.....	Jan. 1-31.....	1		
Washington.....	Dec. 1-31.....	1		
<b>Total for State.....</b>		<b>241</b>		
<b>Grand total for the United States.....</b>		<b>13,353</b>	<b>49</b>	

## MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED MAY 13, 1911.

Cities.	Popula- tion, United States census, 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having over 500,000 inhabitants.														
Baltimore, Md.	558,485	235	10	1	107	4	18	2			33	38	21	....
Boston, Mass.	670,585	264	28	3	238	5	35	2			82	20	4	....
Chicago, Ill.	2,185,283	696	145	16	399	6	247	13	9	1	179	85	16	4
Cleveland, Ohio.	560,663	136	25	2	84	2	135	5			23	14	9	1
New York, N. Y.	4,766,883	1,588	375	49	1,253	28	693	30			529	210	27	4
Philadelphia, Pa.	1,549,008	525	84	11	471	17	78	3			99	54	15	1
Pittsburg, Pa.	533,905	136	9		49	2	13				26	15	14	
St. Louis, Mo.	687,029	242	36	4	282	1	135	9			41	15	7	....
Cities having from 300,000 to 500,000 inhabitants.														
Buffalo, N. Y.	423,715	155	18	4	16		17	3			17	15	9	5
Cincinnati, Ohio.	364,463		9		24		83	2	9		44	30	3	
Detroit, Mich.	465,766	146	8	2			21	3	1					
Los Angeles, Cal.	319,198		8		29		8	1			16	27	3	
Milwaukee, Wis.	373,857	99	14		20	1	30	1	2		14	13	7	
Newark, N. J.	347,469	106	26	2			33	3			31	17	3	
New Orleans, La.	339,075	157	5		73	4	7		5		28	24	7	5
San Francisco, Cal.	416,912	109	7	1	73	1	20				25	10	1	1
Washington, D. C.	331,069	105	41		289	1	1		2		25	22	12	2
Cities having from 200,000 to 300,000 inhabitants.														
Indianapolis, Ind.	233,650	75	10	1	61		34				7	10	1	....
Jersey City, N. J.	267,779	88		1		1						13		
Kansas City, Mo.	248,381	95	3	1	20		7		17		5	7		
Providence, R. I.	224,326	64	9	1	4		17	1			5	5	10	
Seattle, Wash.	237,194	44			126		7		6		11	10		
Cities having from 100,000 to 200,000 inhabitants.														
Birmingham, Ala.	132,685	53			100		1				6	9	2	....
Bridgeport, Conn.	102,054	29	3		60		8				2			
Cambridge, Mass.	104,839		1	2	29		3				4	2		
Columbus, Ohio.	181,548	51			17		7		2		11	11	1	
Dayton, Ohio.	116,577	42	1		10						2	9	2	
Fall River, Mass.	119,295	35	3	1	14	2	3				7	4	1	
Grand Rapids, Mich.	112,571	29			22		14		1		3	4	1	
Lowell, Mass.	106,294	29	3	1	5		8				4	3		
Memphis, Tenn.	131,105	18	2		1		4		1		3	8	2	
Nashville, Tenn.	110,364	64			3						2	7	1	
Oakland, Cal.	150,174	51			8	1	3				1	2		
Omaha, Nebr.	124,096		2		6		3		6			1	1	1
Paterson, N. J.	125,600		5				18				9			
Spokane, Wash.	104,402	23	2		34		2		2			3		
Toledo, Ohio.	168,497	51	6		5		8		1		13	9	1	1
Worcester, Mass.	145,986	49	12	2	24		17				10	4	2	....
Cities having from 50,000 to 100,000 inhabitants.														
Altoona, Pa.	52,127	15	1								2	1		
Bayonne, N. J.	55,545	16	1		15	1	5					1		
Brockton, Mass.	56,878	13	1		19		4							
Camden, N. J.	94,538		7	1	2		1							
Canton, Ohio.	50,217	13	1				3					2		
Duluth, Minn.	78,466	20	2		13		7		1		2	1	1	
Elizabeth, N. J.	73,409	16	2		3		14	1			3			
Evansville, Ind.	69,647	24		1	77						1	1	2	1
Fort Wayne, Ind.	63,933	20	1				3		2			2	2	1
Harrisburg, Pa.	64,186	23	5		3		2				13	1	4	1
Hartford, Conn.	98,915	35	4		10		17	1			5		1	

## MORBIDITY AND MORTALITY—Continued.

*Morbidity and mortality table, cities of the United States, for week ended May 13, 1911—Continued.*

Cities.	Population, United States, census 1910.	Total deaths, from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having from 50,000 to 100,000 inhabitants—Contd.														
Hoboken, N. J.	70,324		4	1	9		2							
Houston, Tex.	78,800	28	2								4			1
Johnstown, Pa.	55,482				14		3							
Kansas City, Kans.	82,331	30	1		23		4		3		1		2	
Lawrence, Mass.	85,892	28	1		13		3		1		3		1	
Manchester, N. H.	70,063	30	2		4		3		5		2		1	
New Bedford, Mass.	96,652				2		2				2			
Oklahoma City, Okla.	64,205	12			12		1	2			1		4	
Passaic, N. J.	54,773	19	1		19	1	4				3		1	
Peoria, Ill.	66,950	16	4				4							
Reading, Pa.	96,071	35	4		14		13				1		3	
Salt Lake City, Utah.	92,777	41	6		21		2		2		1			1
San Antonio, Tex.	96,614	42		1	8		2				10		3	
Schenectady, N. Y.	72,826	13			1		6				1		2	
South Bend, Ind.	53,684	15	2		7		10	1			2		1	
Springfield, Ill.	51,678	20	1	1			4				2			
Springfield, Mass.	88,926	21	3		20						4		1	
Tacoma, Wash.	83,743	14	1		1		10						3	
Trenton, N. J.	96,815	42	3	2			1				5	3	5	2
Utica, N. Y.	74,419	27	1		14		5				2	1		
Waterbury, Conn.	73,141		3	1	2		3				4			
Wilkes-Barre, Pa.	67,105	17	1		2						3		2	
Wilmington, Del.	87,411	34		1							3			
Yonkers, N. Y.	79,803	25	2		33		21	2			9		2	
Cities having from 25,000 to 50,000 inhabitants.														
Atlantic City, N. J.	46,150	11	1		1									
Auburn, N. Y.	34,668	3												
Aurora, Ill.	29,807		2	1			1							
Bay City, Mich.	45,166			1	3		5				3			
Berkeley, Cal.	40,434	5			6		3				1			
Binghamton, N. Y.	48,443	13	1		8						2	3	1	
Brookline, Mass.	27,792	4	3		7						1		1	
Butte, Mont.	39,165	2			2				1		1			
Chelsea, Mass.	32,452	18	4		12		16	2			4	2		
Chicopee, Mass.	25,401	5			3		2						1	
Danville, Ill.	27,871	10			4		2		5		1			
Dubuque, Iowa.	38,494	7	1								1		1	
East Orange, N. J.	34,371	6	1		2		4				2		1	
Elmira, N. Y.	37,176	11	2		9						2			
Everett, Mass.	33,484	10	5	1	5		3				2			
Haverhill, Mass.	44,115		1		1		2				2			
Hazleton, Pa.	25,452				1									
Kalamazoo, Mich.	39,437	20	1		11		3				5		1	
Knoxville, Tenn.	36,346	14			1				4		1			
La Crosse, Wis.	30,417	15			1		3				1		1	
Lancaster, Pa.	47,227	12			6		3						3	
Lexington, Ky.	35,099	7	1		4						7			
Lima, Ohio.	30,508	7			1		1							
Lynchburg, Va.	29,494	11			24						1			
Malden, Mass.	44,404	14			21		5							
Montgomery, Ala.	38,136	19							4		1			
Mount Vernon, N. Y.	30,919	15	3		1		5							
Newcastle, Pa.	36,280				1		6						1	
Newport, Ky.	30,309	10	1				7							
Newton, Mass.	39,806				8				1		2			
Niagara Falls, N. Y.	30,445	13					2				1		2	2
Norristown, Pa.	27,875				1						2			
Pasadena, Cal.	30,291	10									6			
Pittsfield, Mass.	32,121	10			20						4		2	
Portsmouth, Va.	33,190	14			2		1							
Poughkeepsie, N. Y.	27,936	7	1		18		4							
Racine, Wis.	38,002	8					1							
Roanoke, Va.	34,874	4	2		3						3		1	1
Sacramento, Cal.	44,686	18			1				1				1	
San Diego, Cal.	39,578	18	1								1		1	

## MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended May 13, 1911—  
Continued.

Cities.	Popula- tion, United States, census 1910.	Total deaths, from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having from 25,000 to 50,000 in- habitants—Contd.</i>														
Shenandoah, Pa.	25,774	12		1				2						
Superior, Wis.	40,384	14	4				2				1			
Taunton, Mass.	34,259	20					1				1	2		
Waltham, Mass.	27,834	10	1		5	1							1	
West Hoboken, N. J.	35,403	3	4		11		2							
Williamsport, Pa.	31,800	10	1		1						2			
Zanesville, Ohio.	28,026	9									3	41	2	
<i>Cities having less than 25,000 inhabitants.</i>														
Ann Arbor, Mich.	14,817	6			1			1					1	
Beaver Falls, Pa.	12,191				1									
Braddock, Pa.	19,357		4		23						2			
Cambridge, Ohio.	20,728						1					12		
Camden, S. C.	11,327	1										1		
Carbondale, Pa.	17,040	11												
Clinton, Mass.	13,075	6												
Coffeyville, Kans.	12,687	4	1								1			
Columbus, Ga.		3												1
Columbus, Ind.		3			2			7			1			
Concord, N. H.	21,497	11	2		1									
Cumberland, Md.	21,839	11	2		1						2	3		
Dunkirk, N. Y.		6	2				2				1	1		
Galesburg, Ill.	20,089	4												
Gloucester, Mass.	24,398	6												
Greensboro, N. C.	15,895	7						3			1	1		
Harrison, N. J.	14,498	3										1		
Homestead, Pa.	18,713	6			11									
Hyde Park, Mass.	15,507	5	5	1	1						1			
Kearny, N. J.	18,659	3			1		3				2	1		
La Fayette, Ind.	12,081	5			2		1							
Lebanon, Pa.	19,240	5	1		16	1	1							
Manistee, Mich.	12,381						2							
Marinette, Wis.	14,610	3									1	1		
Marlboro, Mass.	14,579	6										2		
Massillon, Ohio.	13,879	3			1									
Medford, Mass.	23,150	3	2		12						2			
Melrose, Mass.	15,715	5	1		9		1							
Moline, Ill.	24,199	8			9		4							1
Montclair, N. J.	21,550	6			2		2				1			
Morristown, N. J.	12,507	5					1							
Nanticoke, Pa.	18,877	8					1							
Newburyport, Mass.	14,949	6			1									
North Adams, Mass.	22,019	4					2				1			
Northampton, Mass.	19,431	11	2		2		2				2	1		
Palmer, Mass.		2												
Peekskill, N. Y.		5			30									
Plainfield, N. J.	20,550				2		1							
Portsmouth, N. H.	11,209		1		2									
Pottstown, Pa.		6			2									
Rutland, Vt.	13,546	7												
Sandusky, Ohio.		7			1							3	1	1
Saratoga Springs, N. Y.		6												
South Bethlehem, Pa.	19,973	8									1		1	
Steelton, Pa.	14,246	4	3		2		2				2			
Wilkinsburg, Pa.	18,294	5	1		1									1
Woburn, Mass.	15,308	1			6									

<sup>1</sup> One of these cases should have been reported in March.

**STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).**

**FLORIDA.**—Week ended May 13, 1911. Reports from the State board of health show diphtheria present in 3 localities with 6 cases, malaria in 6 localities with 45 cases, smallpox in 12 counties with 156 cases, tuberculosis in 8 localities with 11 cases, typhoid fever in 3 localities with 8 cases.

**GEORGIA—Macon.**—Month of April, 1911. Population 45,000. Total number of deaths from all causes 86, including tuberculosis 10.

**MASSACHUSETTS—Somerville.**—Two weeks ended May 13, 1911. Population 77,236. Total number of deaths from all causes 21, including diphtheria 1, tuberculosis 1. Cases reported: Diphtheria 8, measles 44, scarlet fever 6, tuberculosis 10.

**MICHIGAN.**—Month of April, 1911. Reports from the State department of health show diphtheria present in 51 localities with 138 cases, measles in 95 localities with 1,003 cases, scarlet fever in 119 localities with 463 cases, smallpox in 25 localities with 46 cases, tuberculosis 170 cases, typhoid fever 84 cases.

**NEW YORK—Rochester.**—Month of April, 1911. Population, 218,149. Total number of deaths from all causes 292, including diphtheria 7, scarlet fever 13, tuberculosis 28, typhoid fever 1. Cases reported: Diphtheria 45, measles 48, scarlet fever 218, tuberculosis (pulmonary) 37, typhoid fever 1.

**TEXAS.**—Month of March, 1911. Total number of deaths from all causes 2,592, including diphtheria 10, measles 20, scarlet fever 9, smallpox 1, tuberculosis 132, typhoid fever 26. Cases reported: Diphtheria 62, scarlet fever 100, smallpox 119, tuberculosis 88, typhoid fever 55.



## FOREIGN AND INSULAR.

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### MEASURES AGAINST THE INTRODUCTION OF SMALLPOX FROM MEXICO.

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On account of the reported presence of smallpox in Ensenada, Mexico, and at the Halfway House, between the latter place and Tiajuana, Mexico, on the California-Mexican border, and the danger of the introduction of this disease by refugees coming into the United States near Tiajuana, a temporary acting assistant surgeon of the service has been stationed on the border for the purpose of apprehending any actual cases of the disease and vaccinating persons crossing the border who may have been exposed to infection. The quarantine officer at San Diego has been directed to institute special precautions with regard to vessels coming from points in Mexico in order to prevent the introduction of the disease by the maritime routes.

#### CHINA.

##### AMOY—Plague.

Acting Asst. Surg. Bonthius reports April 26:

Plague is present in Amoy with a daily average of 4 deaths.

#### CUBA.

##### Transmissible Diseases.

The following is a statement of transmissible diseases in the island of Cuba issued by the national department of sanitation:

Diseases.	New cases.	Deaths.	Cases remaining under treatment.
Tuberculosis.....	105	72	2,494
Leprosy.....	4	3	344
Malaria.....	42	31	180
Typhoid fever.....	19	9	53
Diphtheria.....	26	5	27
Scarlet fever.....	14	1	28
Measles.....	175	6	350
Varicella.....	57	7	72
Tetanus in the new born.....	7	7	1
Filariasis.....			1
Dengue.....			1

#### ECUADOR.

##### Plague and Yellow Fever.

Passed Asst. Surg. Parker at Guayaquil reports May 5.

Month of April, 1911:

*Plague.*—At Guayaquil there were reported 3 cases with 2 deaths occurring during the period from April 1 to 15. During the last 15 days of the month no cases were reported. This disappearance is

explained by the climatic conditions which influence the propagation of fleas. It is noted at the present time that the city is practically free from fleas. The seasonal prevalence of fleas will commence about the end of August when a recrudescence of the disease may be expected.

*Yellow fever.*—At Guayaquil 31 cases with 9 deaths were reported. Of these, 14 cases occurred on board a bark which lay at dock. One case with 1 death occurred at Duran, 3 cases with 2 deaths at Milagro, and 1 case at Naranjito.

During the month 303 deaths from all causes were reported at Guayaquil. Population, 70,000.

#### GREECE.

##### ATHENS—Cerebro-spinal Meningitis—Quarantine Against Smyrna.

Consul General Gale reports:

During the two weeks ended May 6 there were reported at Athens 12 deaths from cerebro-spinal meningitis. New cases are becoming less frequent and the disease continues to subside.

Quarantine has been declared against Smyrna on account of cholera.

#### GUATEMALA.

##### Smallpox.

Acting Asst. Surg. Jumel at Puerto Barrios reports May 21:

Smallpox is reported prevalent at Estora, a small settlement on the lake shore about 40 miles from Livingston, and at Quirigua, an interior town. Vaccination is being actively carried out by the Government authorities.

#### HAWAII.

##### Record of Plague Infection.

Last case of human plague at Honolulu occurred July 12, 1910.

The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 12, 1910.

At Hilo the last case of human plague occurred March 23, 1910. A fatal case occurred at Honokaa, 60 miles from Hilo, December 17, 1910; 2 fatal cases were reported January 31, 1911, and 1 fatal case was reported April 19.

The last plague-infected rat was found at Honokaa February 2, 1911.

Chief Quarantine Officer Ramus reports May 8:

#### HONOLULU.

*Week ended May 6, 1911.*

Total rats and mongoose taken.....	875
Rats trapped.....	842
Mongoose trapped.....	32
Rats found dead ( <i>Mus rattus</i> ).....	1
Examined bacteriologically.....	779
Classification of rats trapped:	
<i>Mus alexandrinus</i> .....	106
<i>Mus musculus</i> .....	267
<i>Mus norvegicus</i> .....	62
<i>Mus rattus</i> .....	407
Average number of traps set daily.....	1,720

**HONDURAS.****Puerto Cortez Sanitary Conditions.**

Acting Asst. Surg. Stowe reports May 15:

Sanitary conditions at this port are good. No quarantinable disease is present. The water supply is ample and as furnished by the city mains is of superior quality to that supplied during the past year. About 2,000 overground cisterns are in use. The only mosquitoes present in any numbers are the *Culex pungens*.

The drains from the sea front leading back at various points through the town to the swamps have recently been cleaned and opened up so that the marshes can be flooded with salt water.

San Pedro was inspected May 7 and found to be in good sanitary condition.

**INDIA.****CALCUTTA—Cholera, Plague, and Smallpox.**

Acting Asst. Surg. Allan reports April 27:

During the week ended April 22 there were reported at Calcutta 44 deaths from cholera, 115 from plague, and 3 from smallpox; in all Bengal, 4,517 cases of plague, with 3,917 deaths; in all India, 48,023 cases of plague, with 42,770 deaths.

**ITALY.****NAPLES—Smallpox.**

Passed Asst. Surg. King reports May 9:

During the week ended May 6 there were reported at the health office of the city of Naples 22 cases of smallpox, with 15 deaths.

**MEXICO.****ENSENADA—Smallpox.**

Information received under date of May 12 shows the occurrence of 18 cases of smallpox at Ensenada, with 7 cases present at date of report. Of these cases all but 2 were placed immediately in the pesthouse, which is situated 2 miles distant from the town. The cases not in the pesthouse were placed under guard and isolated.

**Smallpox in the State of Tabasco.**

According to information received from the Department of State May 26, the American consul at Frontera reports that smallpox has appeared at San Juan Bautista, the capital of Tabasco. There have been reported 40 cases with 10 deaths.

**PORTUGUESE EAST AFRICA.****Plague at Nahoria.**

The American consul at Zanzibar reported May 26 the presence of plague at Nahoria, Portuguese East Africa.

**ZANZIBAR.****ZANZIBAR—Smallpox—Examination of Rats.**

Consul Weddell reports April 3 and 11:

During the week ended March 31 there was reported 1 case of smallpox. From the date of the smallpox outbreak, June 8, 1910,

to April 9, 1911, a total number of 266 cases with 144 deaths was reported. The total number of vaccinations reported during the same period was 39,903.

During the two weeks ended April 7 there were examined for plague infection 1,889 rats. No plague-infected rats were found.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

### Reports Received During Week Ended June 2, 1911.

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

#### CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Hodeida.....	Apr. 18.....	5	4	Among troops.
India:				
Bombay.....	Apr. 16-22.....	1		
Calcutta.....	Mar. 26-Apr. 18.....		78	
Rangoon.....	Apr. 2-15.....	10	8	
Indo-China:				
Salgon.....	Apr. 10-16.....	38	18	
Java:				
Batavia.....	Apr. 9-15.....	10	6	

#### YELLOW FEVER.

Brazil:				
Manaos.....	May 1-6.....		9	
Pernambuco.....	Mar. 1-15.....		1	
Ecuador:				
Duran.....	Apr. 16-30.....	1	1	
Guayaquil.....	Apr. 1-30.....	31	9	Including 14 cases with 3 deaths on a coaling vessel at dock.
Naranjito.....	Apr. 1-15.....	1		
Milagro.....	Apr. 1-30.....	3	2	

#### PLAGUE.

Arabia:				
Maskat.....	Apr. 16-22.....	8	8	
Brazil:				
Pernambuco.....	Mar. 1-15.....		1	
China:				
Amoy.....	Apr. 16-22.....			Four deaths daily.
Ecuador:				
Guayaquil.....	Apr. 1-15.....	3	2	
Egypt:				
Alexandria.....	Apr. 28.....	1		
Provinces—				
Assiout.....	Apr. 20-May 4.....	1		
Assouan.....	Apr. 19-26.....	10	11	
Kena.....	Apr. 19-May 4.....	66	54	
Menouf.....	do.....	18	13	
Minieh.....	do.....	18	3	
India:				
Bombay.....	Apr. 16-22.....	346	305	
Calcutta.....	Mar. 26-Apr. 8.....		119	
Kurrachee.....	Apr. 9-22.....	632	570	
Rangoon.....	Apr. 2-15.....	107	105	
Indo-China:				
Salgon.....	Apr. 10-16.....	14	2	
Japan:				
Formosa.....	Apr. 2-15.....	31	24	
Java:				
Paseroaen Residency— Malang and vicinity....	Apr. 1-15.....	45	30	Mar. 1-31, 100 cases and 60 deaths including previously reported.
Peru:				
Salaverry.....	May 2-8.....	2		May 8, 16 cases in the lazaretto.
Portuguese East Africa:				
Nahoria.....	May 26.....			Present.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

## Reports Received During Week Ended June 2, 1911.

## SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Argentina:</b>				
Buenos Aires.....	Feb. 1-28.....		9	
<b>Austria-Hungary:</b>				
Gallcia.....	Apr. 23-29.....	5		
Trieste.....	May 1-6.....	1		
<b>Brazil:</b>				
Pernambuco.....	Mar. 1-15.....		105	
<b>Canada:</b>				
Newcastle.....	May 14-20.....	1		
Quebec.....	do.....	2		
Vancouver.....	Apr. 1-30.....	9		
<b>Ceylon:</b>				
Colombo.....	Apr. 9-15.....	3		
<b>Chile:</b>				
Valparaiso.....	Apr. 23-29.....	66		
<b>China:</b>				
Hongkong.....	Apr. 9-15.....	5	3	
Tsingtau.....	Apr. 16-22.....	1		
<b>Egypt:</b>				
Port Said.....	Apr. 9-15.....	6	9	
<b>Guatemala:</b>				
Estora.....	May 21.....			Present.
Quirigua.....	do.....			Do.
<b>Great Britain:</b>				
Liverpool.....	May 6-13.....	3		
<b>India:</b>				
Bombay.....	Apr. 16-22.....	45	17	
Calcutta.....	Mar. 26-Apr. 8.....		8	
Rangoon.....	Apr. 2-15.....	273	96	
<b>Indo-China:</b>				
Salgon.....	Apr. 10-16.....	33	4	
<b>Italy:</b>				
Naples.....	Apr. 30-May 6.....	22	15	
Palermo.....	do.....	12	9	
<b>Mexico:</b>				
Ciudad Porfirio Diaz.....	May 14-20.....		1	
Ensenada.....	May 7-13.....	3		
Mexico.....	Apr. 2-22.....		41	
San Juan Bautista.....	May 26.....	40	10	
<b>Portugal:</b>				
Lisbon.....	Apr. 30-May 6.....	15		
<b>Russia:</b>				
Moscow.....	Apr. 9-29.....	75	19	
Odessa.....	Apr. 23-May 6.....	8	3	
St. Petersburg.....	Apr. 16-22.....	20	5	
Warsaw.....	Feb. 26-Mar. 11.....		3	
<b>Spain:</b>				
Madrid.....	Apr. 1-30.....		4	
Valencia.....	May 1-6.....	9	1	
<b>Switzerland:</b>				
.....	Apr. 2-8.....		1	
.....	Apr. 23-29.....		1	
<b>Turkey in Asia:</b>				
Kharput.....	do.....	6		
Smyrna.....	May 1-6.....	2		

## Reports Received from Dec. 31, 1910, to May 26, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see PUBLIC HEALTH REPORTS for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

## CHOLERA.

Places.	Dates.	Cases.	Deaths.	Remarks.
<b>Arabia:</b>				
Bajil.....	Jan. 18-Feb. 12.....	49	41	
Hodeida.....	Jan. 23-Feb. 12.....	188	133	
Jebel Akhdar.....	Apr. 1-18.....			Present in remote villages.
Perim.....	Jan. 23.....			Present.
Maskat.....	Nov. 20-30.....	7	7	
Menaka.....	Jan. 19-Feb. 12.....	97	24	
Obal.....	Jan. 27-Feb. 12.....	3	3	
Zaida.....	do.....	27	15	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Austria-Hungary</b> .....	Aug. 3-Nov. 7.....	.....	2	Not previously reported.
Croatia and Slavonia.....	Dec. 4-17.....	5	2	
Maren.....	Oct. 1-9.....	3	.....	
Hungary.....	.....	.....	.....	Total for Hungary, Nov. 27-Dec. 17: Cases, 9; deaths, 3.
<b>Bulgaria:</b>				
Tartar-Pazardjik.....	Jan. 10.....	2	2	
Varna.....	Nov. 29.....	2	.....	From steamship <i>Bulgarie</i> , 3 fatal cases having been reported on p. 1936, Vol. XXV.
<b>Ceylon:</b>				
Colombo.....	Dec. 11-24.....	4	3	
<b>China:</b>				
Amoy.....	May 9.....	.....	.....	Present.
Newchwang.....	Aug. 1-Nov. 22.....	.....	.....	Occasional cases.
Shanghai.....	Aug. 1-31.....	.....	1	Reported out of date.
<b>Hawaii:</b>				
Honolulu.....	.....	.....	.....	Total from Feb. 25-Mar. 14: Cases 31; deaths, 22. Apr. 12-25: Cases, 8; deaths, 7.
<b>India:</b>				
Bassein.....	Mar. 5-Apr. 1.....	4	4	
Bombay.....	Nov. 23-Mar. 18.....	.....	109	Feb. 19-Mar. 18: Cases, 4.
Calcutta.....	Nov. 13-Mar. 25.....	.....	688	
Madras.....	Nov. 27-Mar. 25.....	.....	16	Madras Presidency, Oct. 1-Dec. 31: Cases, 8,382; deaths, 4,546. Report for Oct. 16-31 not received. Jan. 1-Feb. 28: Cases, 11,228; deaths, 6,259.
Moulmine.....	Mar. 5-Apr. 1.....	20	17	
Rangoon.....	Jan. 1-Apr. 1.....	14	13	
<b>Indo-China:</b>				
Saigon.....	Dec. 12-Apr. 2.....	16	10	
<b>Italy</b> .....				Total for Italy, Dec. 27-Jan. 30: Cases, 111; deaths, 17.
Provinces—				
Aquila.....	Dec. 4-17.....	4	1	
Bari.....	Dec. 27-Jan. 30.....	5	2	
Caltanissetta.....	Dec. 4-10.....	1	.....	
Caserta.....	Dec. 4-Jan. 14.....	15	3	
Catanzaro.....	Dec. 27-Jan. 6.....	2	2	
Leece.....	Dec. 11-Jan. 30.....	111	13	
Palermo—				
Palermo.....	Dec. 4-10.....	16	6	
Insane asylum.....	Dec. 4-Jan. 6.....	24	6	
Rome.....	do.....	10	7	
Salerno.....	Dec. 11-Jan. 6.....	10	.....	
<b>Japan</b> .....				Total for Japan, Sept. 14-Nov. 30: Cases, 2,770, deaths, 1,923, including cases and deaths appearing on p. 1937, Vol. XXV.
Aichi ken.....	Oct. 16-Nov. 20.....	3	3	
Ehime ken.....	Sept. 23-Nov. 30.....	27	19	
Formosa.....	Nov. 20-Dec. 17.....	11	6	Mainly in Kelung and Taihoku.
Fukuoka ken.....	Sept. 30-Nov. 30.....	234	165	
Higo ken, Kobe.....	Sept. 12-Nov. 30.....	607	396	
Hiroshima ken.....	Sept. 25-Nov. 30.....	58	30	
Kagawa ken.....	Oct. 2-Nov. 30.....	293	201	
Kagoshima ken.....	Oct. 28-Nov. 30.....	4	3	
Kochi ken.....	Oct. 18-Nov. 30.....	70	42	
Kyoto fu.....	Sept. 30-Nov. 30.....	143	119	
Kumamoto ken.....	Oct. 18-Nov. 30.....	19	11	
Miye ken.....	Oct. 11-Nov. 30.....	8	5	
Nagasaki ken.....	Oct. 16-Nov. 30.....	26	11	Dec. 12-25, 5 cases, 1 death.
Nara ken.....	Oct. 3-Nov. 30.....	31	23	
Osaka ken.....	Oct. 10-Nov. 30.....	2	1	
Okayama ken.....	Sept. 29-Nov. 30.....	71	49	
Osaka fu.....	Sept. 17-Nov. 30.....	951	692	
Saga ken.....	Oct. 4-Nov. 30.....	51	31	
Shiga ken.....	Nov. 20-30.....	7	6	
Shimane ken.....	Oct. 24-Nov. 30.....	7	5	
Tokushima ken.....	Oct. 3-Nov. 30.....	59	37	
Tokyo fu.....	Oct. 18-Nov. 30.....	1	1	
Wakayama ken.....	Oct. 6-Nov. 30.....	57	44	
Yamaguchi ken.....	Oct. 12-Nov. 30.....	41	29	



## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Java</b> .....				Ball, Praja, Feb. 1-28: Cases, 294; deaths, 174. Lombok, Djougat: Cases, 284; deaths, 201. Celebes, Apr. 13-May 4. Present.
Batavia.....	Nov. 13-Apr. 8....	21	9	
Samarang.....	Sept. 11-Feb. 10....	620	534	
Soerabaya.....	Oct. 23-Mar. 4....	26	15	
<b>Korea:</b>				
Seoul.....	Oct. 26-Nov. 5....	1	1	
<b>Madeira</b> .....				Total for Madeira, Nov. 16-Feb. 8: Cases, 1,774; deaths, 555, including report, page 1938, Vol. XXV.
Funchal.....	Nov. 16-Feb. 8....	635	210	
Calheta.....	Dec. 9-31.....	1		
Camara dos Lobos.....	Nov. 16-Feb. 8....	513	160	
Machico.....	do.....	278	75	
Ponto do Sol.....	do.....	195	71	
Santa Cruz.....	do.....	89	26	
Porto Santo Island.....	Nov. 10-Feb. 8....		13	
<b>Persia:</b>				
Ardestan.....	Nov. 30.....			Present.
Assadabad.....	Oct. 5-Nov. 8....		61	
Birjend.....	Nov. 10.....			Do.
Chal/aroud.....	Jan. 3.....			Do.
Enzell.....	Nov. 8-25.....	9	11	Present in vicinity and in Pire-Bazar.
Hamadan.....	Oct. 6-Dec. 3....	42	22	
Kashan.....	Nov. 30.....			Present.
Kasri-Churine.....	Oct. 13-20.....		5	
Kerman.....	Nov. 22-Dec. 24....	106	51	
Kermanschah.....	Nov. 5-10.....		6	
Mohammerah.....	Nov. 13-Dec. 5....	11	3	
Mollag-All.....	Nov. 20.....	6		
Resht.....	Nov. 19-Dec. 3....	48	42	Present in all villages in vicinity.
Turbat-i-Hilbari.....	Oct. 10-Nov. 15....	66	25	
<b>Philippine Islands:</b>				
Manila.....	Nov. 6-Dec. 31....	9	6	Third quarter, 1910: Cases, 195; deaths, 141.
<b>Provinces</b> .....				Third quarter, 1910: Cases, 5,657; deaths, 4,089.
Albay.....	Dec. 24-Mar. 11....	59	47	
Bulacan.....	Nov. 6-Feb. 4....	18	15	
Ilocos Sur.....	Nov. 6-Dec. 17....	58	38	
Mindoro.....	Nov. 6-Feb. 25....	37	27	
Rizal.....	Nov. 6-Feb. 18....	41	32	
Union.....	Nov. 6-12.....	3	1	
<b>Russia</b> .....				Total for Russia, Nov. 20-Feb. 4: Cases, 1,230; deaths, 303. From May 8-Feb. 4: Cases, 216,796; deaths, 100,982. Apr. 28-May 3, 2 cases in the southern part.
<b>Baku government—</b>				
Baku.....	Nov. 6-Dec. 17....	6	2	
Batum.....	Dec. 4-10.....	2	1	
Don territory.....	Nov. 6-19.....	6	2	
Erivan government.....	Nov. 6-Dec. 10....	4	4	
Ferghana territory.....	Nov. 6-19.....	6	6	
Kharkov government.....	Nov. 6-12.....	2		
Kazan government.....	Nov. 6-Jan. 7....	2	1	
Kherson government.....	Nov. 6-Dec. 3....	4	4	
Kief government.....	Nov. 6-Feb. 4....	45	18	
Kuban territory.....	Nov. 6-13.....	4	4	
Lublin government.....	Nov. 20-26.....	31	13	
Mohilev government.....	Nov. 6-19.....	2	1	
Orenburg government.....	Nov. 13-24.....	15	6	
Oufa government.....	Nov. 6-12.....	2	1	
Pern government.....	Nov. 20-26.....	1		
Podolia government.....	Nov. 13-Jan. 28....	11	4	
Rjasan government.....	Nov. 6-12.....	2		
St. Petersburg government.....	do.....	2		
St. Petersburg.....	Nov. 6-Dec. 31....	32	16	
Samara government.....	Nov. 6-19.....	6		
Saratov government.....	Nov. 13-26.....	8	6	
Siberia, eastern.....	Nov. 16-19.....	12	3	Vladivostok, Oct. 29-Nov. 13: Cases 4; deaths 17. See p. 1939, Vol. XXV.
<b>Syr Darya territory</b> .....	do.....	7	4	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Russia—Continued.</b>				
Taurida government—				
Sebastopol.....	Nov. 13-Dec. 3....	7	4	
Tambov government.....	Nov. 13-Dec. 10....	86	34	
Tiflis government.....	Nov. 6-26.....	2	—	
Vitebsk government.....	Nov. 6-19.....	3	2	
Veronesch government.....	Nov. 6-12.....	2	—	
Yekaterinoslav government	Nov. 6-Jan. 14....	65	34	
<b>Slam:</b>				
Bangkok.....	Nov. 6-Mar. 18....	753	743	
<b>Straits Settlements:</b>				
Singapore.....	Dec. 25-Apr. 8....	4	3	
<b>Sumatra.....</b>				
				Mar. 7, present in Soembawa, Batangkapas, Taloe, and Timbelon. Mar. 25, present at Solok.
Bambel.....	Dec. 29.....			Present.
Blagmoeti.....	Nov. 14.....			Do.
Keretan.....	Dec. 29.....			Do.
Pengeloedjahar.....	Nov. 14.....			Do.
<b>Tripoli:</b>				
Amrousse.....	Sept. 20-Dec. 8....	6	5	
Hani.....	do.....	3	2	
Tripoli.....	Nov. 15-Dec. 8....	37	37	Total Sept. 20-Dec. 8: Cases, 323; deaths, 233.
<b>Turkey:</b>				
Adrianople Vilayet.....	Nov. 21-Dec. 15....	60	60	94 cases and 34 deaths reported, p. 1940, Vol. XXV.
Constantinople.....	Nov. 22-Jan. 16....	841	529	Total from Sept. 13-Jan. 16: Cases, 1,318; deaths, 793.
Saloniki Vilayet.....	Dec. 11-31.....	50	25	
<b>Turkey in Asia:</b>				
Bagdad Vilayet.....	Nov. 20-Dec. 11....	119	115	Total Oct. 16-Jan. 16: Cases, 819; deaths, 723.
Basra.....	Nov. 6-26.....	10	9	
Medina.....	Jan. 22-Feb. 28....		667	
Mekka.....	Dec. 26-Jan. 28....	153	142	Feb. 5, present.
Samsoun.....	Nov. 20-Dec. 3....	6	6	
Smyrna.....	Nov. 20-Apr. 27....	332	200	
Trebizond.....	Nov. 20-Dec. 18....	107	42	And vicinity.
Yembo.....	Jan. 7-Feb. 13....	37	37	
Zongouldak.....	Nov. 20-Dec. 16....	9	6	

## YELLOW FEVER.

<b>Barbados.....</b>	May 8.....	1	1	
<b>Brazil:</b>				
Bahia.....	April 16-22.....		5	
Manaos.....	Dec. 4-Apr. 15....		159	
Para.....	Nov. 27-May 20....	188	84	Mar. 12, 1 case from the British s. s. Cearense.
Rio de Janeiro.....	Feb. 21-Mar. 11....	1	1	
<b>Dominican Republic:</b>				
Santiago de los Caballeros..				Sept., 1910, present.
<b>Ecuador:</b>				
Guayaquil.....	Nov. 1-Mar. 31....	165	60	
Naranjito.....	Mar. 1-31.....	3	1	
San Antonio, hacienda.....	do.....	1	1	
<b>Honduras:</b>				
Puerto Cortez.....	Jan. 21-29.....			1 fatal case on U. S. S. Marietta.
<b>Mexico:</b>				
Salina Cruz.....	Mar. 4.....	1	1	From s. s. Opland from Guatemalan ports.
<b>Portuguese Guinea.....</b>				
	May 24.....			Present.
<b>Venezuela:</b>				
Caracas.....	Dec. 4-Feb. 28....	57	16	Nov. 22-Dec. 3, 5 deaths.
La Guaira.....	Dec. 1-15.....	1	1	Jan. 22-27, 1 fatal case in Canton suburb.
Macuto.....	Dec. 1-7.....	1		
Malquetia.....	Nov. 29.....	1		

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Maskat.....	Mar. 26-Apr. 15...	32	12	
Azores:				
Terceira.....	Dec. 24.....			Present.
Brazil:				
Bahia.....	Oct. 29-Apr. 15...	65	53	
Para.....	Apr. 2-May 20....	10	6	Apr. 24, present.
Pernambuco.....	July 1-Dec. 16....		15	
Rio de Janeiro.....	Jan. 1-31.....	12	9	Nov. 1-Dec. 31: Cases 19, deaths 5.
Sao Paulo.....	Jan. 8-Feb. 25....	3	3	
British East Africa:				
Kismayu.....	May 19.....			Present.
British Egyptian Soudan:				
Suakin.....	Apr. 20-23.....	1		On s. s. Sultana.
Chile:				
Arica.....	Jan. 26-Feb. 5....	5	1	Dec. 28-Apr. 17, present.
Iquique.....	Jan. 1-28.....	5	3	Mar. 2-19: Cases 11, deaths 2.
China:				
Amoy.....	Jan. 21-Mar. 18....	11	11	Kulangsu, Jan. 1-21, 3 fatal cases. Jan. 21-Feb. 27, present in Amoy Island, and Mar. 26-Apr. 8, 15 deaths. Three of these cases were of the pneumonic form.
Changtu.....	Jan. 14.....			Present.
Paoting-fu.....	Jan. 24.....			Do.
Peking.....	do.....	2		
Shantung Province.....				Total, Jan. 12-Apr. 8: Deaths, 3,035.
Chefoo.....	Jan. 15-Apr. 15....		1,100	
Chinchowfu.....	Mar. 12-18.....		36	
Laichow.....	Apr. 15.....		300	
Pingtau.....	Mar. 12-18.....			Present.
Tengchowfu.....	Feb. 4.....		30	
Sioke.....	Dec. 6-Jan. 4.....			Present, in the interior, 60 miles from Amoy.
Swatow.....	Jan. 28-Apr. 29....			Present in vicinity.
Tientsin.....	Jan. 21-Mar. 18....		27	Jan. 17-Feb. 20, 60 cases.
Wangkoehuang.....				Feb. 25, present.
Manchuria.....				Total for Manchuria, Oct. 25-Feb. 3: Cases, 1,176 Chinese, 40 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total deaths to Mar. 29, 42,756.
Ah Cheng.....	To Mar. 9.....		1,451	
An Feng Line.....	Feb. 13.....		41	
Ashihe.....	Dec. 25-Jan. 13....	2		Feb. 10: Deaths, 300 daily.
Buhedu.....	Oct. 30.....	3		
Changchun.....	Jan. 1-Mar. 27....		2,695	
Chang Tu.....	To Mar. 9.....		428	
Chen An.....	Mar. 7.....		88	
Cheng Te.....	Mar. 10.....		672	
Ching Chow.....	To Mar. 2.....		36	
Ching Hsi.....	Mar. 4.....		19	
Dalny.....	Jan. 11-Feb. 8....	66	60	
Dunzenshan.....	To Dec. 25-Feb. 3..		22	
Fa Ku.....	To Mar. 3.....		217	
Feng Hun.....	To Feb. 13.....		149	
Fenting Province.....	To Mar. 29.....		7,137	
Fuchiatien.....				Nov. 8-Mar. 18. Deaths, 5,149.
Fushun.....	To Mar. 9.....		66	
Hailar.....	Dec. 6-Feb. 5.....		86	
Harbin.....				And vicinity. Nov. 8-Mar. 18. Deaths, 1,554 Chinese, 54 Europeans.
Heilung.....	Feb. 27.....		8	
Heilungkiang.....	Jan. 7-Mar. 29....		13,739	
Hismintun.....	To Mar. 7.....		328	
Hsi An.....	Feb. 28.....		111	
Hsi Feng.....	Mar. 4.....		31	
Huai Te.....	To Mar. 8.....		795	
Hu Lan.....	Dec. 31-Mar. 8....		1,562	
Jaomin.....	Dec. 25-Jan. 13....	1	1	
I Chow.....	To Mar. 1.....	79		
I Lan.....	Mar. 9.....		143	
Kai Yuan.....	To Mar. 7.....		211	
Kang Ping.....	Feb. 28.....		159	
Kirin.....				Total, Jan. 7-Mar. 29. Deaths, 21,880.
Kuantchentzi.....	Jan. 1-Feb. 3.....	8	3	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>China—Continued.</b>				
<b>Manchuria—Continued.</b>				
Kwang Ning.....	To Mar. 9.....		204	
Lalo Chung.....	Feb. 27.....		33	
Liao Yang.....	Mar. 3.....		45	
Liao Yuan.....	Mar. 9.....		21	
Lan Hsi.....	Mar. 5.....		344	
Liesania vetka Handa- ohedzy.....	Dec. 25-Jan. 13....	9	9	
Lochagri.....	Dec. 27.....	4	4	
Loshagoon.....	.....do.....	4		
Maneduria, station.....	Dec. 7-26.....		95	
Moershan.....	Jan. 1-20.....	1	1	
Mukden.....	Jan. 1-Mar. 10....		1,656	Mar. 5-31: 236 cases.
Ning An.....	Feb. 18.....		9	
Ning Yuan.....	Mar. 4.....		67	
Pan Shan.....	Feb. 24.....		3	
Pa Yen.....	Mar. 4.....		489	
Pen Hsi.....	To Mar. 11.....		17	
Pinchow.....	Jan. 28-Mar. 7....		1,254	
Sanshahe.....	Jan. 1-20.....	3	3	
Shing King.....	To Mar. 7.....		8	
Shu Chung.....	Feb. 16.....		76	
Sui Hua.....	To Mar. 8.....		1,198	
Swang Cheng.....	To Mar. 6.....		5,517	
Tieh Ling.....	Jan. 14-Mar. 3....		73	
Tchjalafnarskiy.....	Nov. 11-Dec. 3....	104	106	Cases previously reported, 14; deaths, 12.
Tchjalantum.....	Nov. 21-Jan. 14....		42	
Te Hual.....	To Feb. 25.....		225	
Tun Fa.....	Feb. 6.....		9	
Turehiha.....	Oct. 30.....	4	4	
Tzaitzalgoy.....	Jan. 1-20.....	2	2	
<b>Ecuador:</b>				
Babahovo.....	Dec. 16-Jan. 15....	16	4	
Duran.....	Dec. 16-Mar. 31....	11	5	
Guayaquil.....	Nov. 1-Mar. 31....	257	203	
Milagro.....	Jan. 1-Mar. 15....	10	5	
<b>Egypt:</b>				
Alexandria.....	Jan. 4-Mar. 10....	2		Nov. 29-Dec. 24, 5 cases, 2 deaths.
Cairo.....	Feb. 11.....	1	1	
Port Said.....	Apr. 8-13.....	2	2	
<b>Provinces—</b>				
Assiout.....	Jan. 1-Apr. 20....	147	71	Dec. 1-29, 50 cases, 24 deaths.
Assouan.....	Jan. 1-Apr. 18....	481	296	
Behera.....	Jan. 1-17.....	3		
Beni Souef.....	Feb. 7-11.....	2		
Favoum.....	Mar. 15-18.....	11	9	
Galloubeeh.....	Feb. 28-Apr. 10....	2	1	Nov. 22-Dec. 2, 1 case, 1 death.
Garbleh.....	Mar. 3-14.....	5	3	
Girgeh.....	Apr. 2-15.....	16	13	
Gizeh.....	Jan. 1-Feb. 1.....	9	5	
Kena.....	Jan. 14-Apr. 18....	385	289	
Menouf.....	Jan. 1-Apr. 19....	39	21	Dec. 2-22, 26 cases, 14 deaths.
Minieh.....	Feb. 22-Apr. 19....	58	24	
<b>German East Africa:</b>				
Muanza.....	Nov. 16-Mar. 22....	30	6	
<b>Hawaii:</b>				
Honokaa.....	Jan. 31-Apr. 19....	3	3	
<b>India:</b>				
Bombay.....	Nov. 23-Apr. 8.....		2,121	Feb. 19-Apr. 8, 2,033 cases.
Calcutta.....	Nov. 13-Mar. 25....		334	
Kurrachee.....	Nov. 19-Apr. 8.....	1,138	1,084	
Madras.....	Dec. 11-17.....		1	
Rangoon.....	Jan. 1-Apr. 1.....	131	127	Dec. 11-31, 10 deaths.
Bombay Presidency and Sind.....	Oct. 29-Apr. 15....	46,925	32,611	
Madras Presidency.....	.....do.....	8,195	6,761	
Bengal.....	.....do.....	65,619	53,671	
United Provinces.....	.....do.....	266,256	237,292	
Punjab.....	.....do.....	93,071	77,011	
Burma.....	.....do.....	3,975	3,760	
Eastern Bengal and Assam.....	Jan. 29-Apr. 15....	10	10	
Central Provinces.....	Oct. 29-Apr. 15....	30,773	23,688	
Coorg.....	.....do.....	24	12	
Mysore State.....	.....do.....	9,254	6,573	
Hyderabad State.....	.....do.....	6,875	5,783	
Central India.....	.....do.....	8,864	7,407	
Rajputana and Ajmer Merwara.....	.....do.....	21,468	17,393	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## PLAGUE—Continued.

Places.	Date.	Cases.*	Deaths.	Remarks.
<b>India—Continued.</b>				
Kashmir.....	Nov. 6-Apr. 15.....	530	310	
North West Province.....	Dec. 10-Apr. 15.....	185	129	
Grand total.....		562,024	472,410	
<b>Indo-China:</b>				
Saigon.....	Nov. 14-Apr. 2.....	36	9	
<b>Japan:</b>				
Formosa.....	Jan. 22-Apr. 1.....	35	30	In the southern part.
<b>Java:</b>				
Batavia.....	Apr. 7.....			Present. Feb. 18—Present among pilgrims on a steamer from Jiddah in quarantine 10 miles distant.
Paserocean Presidency, Malang.....	Mar. 1-31.....	100	60	
Mauritius.....	Sept. 30-Feb. 2.....	604	348	
<b>New Caledonia:</b>				
Noumea.....	Sept. 17.....			Present.
<b>New Zealand:</b>				
Auckland.....	Mar. 21.....	3	1	From Onehunga.
<b>Persia:</b>				
Buchir.....	Apr. 23.....			Present.
<b>Peru:</b>				
<b>Departments—</b>				
Ancachs.....	Feb. 1-Mar. 18.....	15	2	Mar. 4 present at Casma.
Arequipa.....	Nov. 1-Feb. 28.....	27	8	
Islay.....	Mar. 1-Apr. 18.....	9	6	
Mollendo.....				Mar. 10-Apr. 18: Cases, 13; deaths, 6.
Cajamarca.....	Feb. 1-28.....	7	5	
Callao.....	Nov. 1-Apr. 1.....	5	3	Callao. Mar. 29-Apr. 4; 3 cases.
Chiclayo.....	Mar. 1-25.....	13	6	
Lambayeque.....	Nov. 1-Mar. 18.....	38	19	
Libertad.....	Nov. 1-Feb. 28.....	179	85	Dec. 10-Mar. 11, present in Chl. cama Valley. Salaverry, Feb. 1-28, 31 cases, 12 deaths. Mar. 1-Apr. 1, 35 cases, 10 deaths, at Truxillo. Mar. 1, present in Moche and Viru. Trujillo Apr. 25, 23 cases in lazaretto.
Lima.....	Nov. 1-Apr. 1.....	40	21	Lima—Feb. 19-Mar. 11: Cases, 9; deaths, 3. Mar. 11: Catacaos epidemic.
Huarochiri.....	Mar. 1-18.....	1		
Pacasmayo.....	Mar. 19-Apr. 1.....	3	3	
Piura.....	Nov. 1-Mar. 18.....	76	41	
<b>Russia:</b>				
<b>Astrakhan Government—</b>				
Abil-Isken.....	Nov. 22-29.....	4	4	
Kirghiz Steppe.....	Dec. 17-Feb. 7.....	106	88	
Kolden.....	Dec. 6-13.....	8	3	
Koybal.....	Dec. 10-13.....	5	1	
Kulken Island.....	Oct. 13-Nov. 4.....	5	5	
Nauraal-Tehaygal.....	Nov. 23-29.....	5	5	
Neuren.....	Nov. 17-21.....	1	1	
<b>Trans-Caucasia.....</b>				
Petrovsk.....	Nov. 23.....	1	1	Total from Oct. 23-Nov. 24; Cases, 28; deaths, 5.
Sanitza-Oliviana.....	Nov. 22.....	1	1	
Baku.....	Dec. 17.....	1	1	
Batum.....	do.....	1	1	
Odessa.....	Jan. 1-Mar. 5.....	3	2	Dec. 9, 1 death.
<b>Slam:</b>				
Bangkok.....	Nov. 27-Feb. 25.....	17	15	
<b>Straits Settlements:</b>				
Singapore.....	Nov. 13-Mar. 25.....	3	3	
Trinidad.....	Feb. 8-May 10.....	7	2	
<b>Turkey in Asia:</b>				
Jiddah.....	Dec. 16-Apr. 24.....	37	32	
<b>Venezuela:</b>				
Caracas.....	Apr. 10-28.....	5		Nov. 9. present.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Abyssinia:</b>				
Adis Ababa.....	Nov. 20-Feb. 11....			Present.
<b>Algeria:</b>				
Algiers.....	Mar. 1-31.....		1	
<b>Arabia:</b>				
Aden.....	Jan. 9-Apr. 10....	126	15	And vicinity.
Berbera.....	Dec. 9-Jan. 9....			Epidemic.
Bulhar.....	Jan. 25.....			Present.
Maskat.....	Jan. 1-21.....	3		1 case from a British naval vessel.
Zella.....	Jan. 25.....			Present.
<b>Argentina:</b>				
Buenos Aires.....	Oct. 1-Jan. 31....		17	
Rosario.....	Oct. 1-Feb. 28....		22	
<b>Australia:</b>				
Adelaide.....				Sept., 1910, 1 case on s. s. Kazembe from Singapore.
<b>Austria-Hungary:</b>				
Bohemia.....	Apr. 9-22.....	3		
Galicja.....	Mar. 12-Apr. 22....	4		
Krain.....	Mar. 5-Apr. 15....	8		
Trieste.....	Apr. 16-22.....	1	1	
<b>Barbados:</b>				
Bridgetown.....	Jan. 14.....	1		From steamship Cara from Rio de Janeiro.
<b>Belgium:</b>				
Antwerp.....	Mar. 26-Apr. 29....	3		
<b>Brazil:</b>				
Bahia.....	Oct. 29-Jan. 6....	62	31	
Para.....	Nov. 27-May 6....	74	17	
Pernambuco.....	July 1-Feb. 28....		1,381	
Rio de Janeiro.....	Jan. 1-Mar. 11....	4	2	Nov. 14-Dec. 31, 6 cases.
Sao Paulo.....	Jan. 8-Mar. 11....	2	1	
<b>Canada:</b>				
<b>British Columbia—</b>				
Fernie.....	Feb. 19-Apr. 1....	10		
Vancouver.....	Jan. 1-Mar. 31....	14		
Victoria.....	Dec. 11-Feb. 28....	59		
Grosse Isle Quarantine Station.	May 3.....	2		From s. s. Dominion from Liverpool.
<b>Manitoba—</b>				
Winnipeg.....	Apr. 2-29.....	3		
<b>New Brunswick—</b>				
Campbelltown.....	Apr. 4-10.....	1		
Moncton.....	Jan. 29-Feb. 11....	15		
Newcastle.....	Dec. 18-May 13....	11		Jan. 14-May 20, in vicinity.
St. Marys.....	Apr. 9-15.....	1		
<b>Newfoundland—</b>				
St. Johns.....	Mar. 12-18.....	2		
<b>Nova Scotia—</b>				
Halifax.....	Jan. 1-May 6....	13		
Louisburg.....	Dec. 25-Feb. 4....	9		
Sydney.....	Jan. 22-Apr. 22....	9		
<b>Ontario—</b>				
Cornwall.....	Jan. 1-21.....	3		
Fort William.....	Apr. 3-May 15....	4		
Ottawa.....	Dec. 18-May 13....	55		
Sarnia.....	Mar. 19-Apr. 8....	2		
Prince Edwards Island.....	Mar. 1-Apr. 29....	150		In a French settlement 70 miles from Summerside.
Charlottetown.....	Mar. 29-May 16....	24	1	
<b>Quebec—</b>				
Quebec.....	Feb. 12-May 13....	9		Total for Province of Quebec, Apr. 28: Cases, 300.
<b>Ceylon:</b>				
Colombo.....	Nov. 13-Mar. 25....	37	9	
<b>Chile:</b>				
Coquimbo Province.....	Dec. 13-30.....			Present in two localities.
Iquique.....	Nov. 13-19.....		1	
Punta Arenas.....	Nov. 1-30.....	1		
Tulcahuano.....	Nov. 13-Dec. 17....	23		
Valparaiso.....	Nov. 20-Mar. 30....	568		Deaths not generally reported. Jan. 8-14, 2 deaths; Apr. 15, present.



## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Mar. 8-14.....		8	Mar. 25—Apr. 8, still present in vicinity.
Canton.....	Dec. 11-17.....	26	3	
Chefoo.....	do.....			Present among natives.
Chungking.....	Nov. 13-Apr. 1.....			Present.
Hankow.....	Mar. 26-Apr. 1.....			Do.
Hongkong.....	Dec. 4-Apr. 8.....	100	58	
Manchuria—				
Dalny.....	Nov. 27-Feb. 11.....	2	1	
Nanking.....	Nov. 20-Apr. 29.....			Do.
Shanghai.....	Nov. 21-Apr. 16.....	60	181	Deaths among natives.
Swatow.....	Jan. 1-7.....			Present 25 miles inland; Jan. 21-Apr. 29, present in vicinity.
Tsingtau.....	Jan. 8-Mar. 25.....	26	1	
Colombia:				
Cartagena.....	Jan. 15-Apr. 9.....			Present.
Ecuador:				
Guayaquil.....	Apr. 22.....			One case from s. s. Manavi from Manta.
Egypt:				
Alexandria.....	Jan. 1-Mar. 31.....	27	21	Nov. 1-Dec. 31, 1 case, 2 deaths.
Cairo.....	Dec. 3-Apr. 1.....	24	8	
Port Said.....	Dec. 17-Apr. 8.....	24	11	
France:				
Paris.....	Dec. 3-Apr. 29.....	78		
Gambia.....	Apr. 8.....			Present.
Germany.....				Total for Germany, Dec. 4-May 6, cases 124.
Magdeburg.....	Mar. 19-Apr. 8.....	3		
Gibraltar.....	Jan. 16-Apr. 23.....	6		
Great Britain:				
Dublin.....	Jan. 15-21.....	1		
Glasgow.....	Apr. 30-May 5.....	2		
Leith.....	Dec. 11-17.....	2		From a steamship from Oporto.
Liverpool.....	Jan. 29-May 6.....	6		
London.....	Feb. 19-May 6.....	240	8	
Nottingham.....	Mar. 12-18.....	1		
Hawaii:				
Honolulu.....	Jan. 3-May 4.....	5		Jan. 3, 3 cases on s. s. Kiho Maru from Manzanillo. Feb. 18, 1 case on s. s. Chiyo Maru from Yokohama.
Olaa.....	May 4.....	1		
Hilo.....				In vicinity Mar. 14-30, 9 cases, including 3 reported Mar. 26 at Waialae.
Kona.....	Mar. 22.....	1		
Maui—				
Puuene.....	Jan. 24.....	39		
Waikapu.....	Jan. 31.....	1		
India:				
Bombay.....	Dec. 6-Apr. 15.....		220	Feb. 19-Apr. 15, 342 cases.
Calcutta.....	Nov. 6-Mar. 18.....		23	
Madras.....	Nov. 20-Apr. 15.....	717	296	
Rangoon.....	Jan. 1-Apr. 1.....	806	266	Nov. 20-Dec. 31, 6 deaths.
Indo-China:				
Saigon.....	Nov. 14-Apr. 2.....	350	68	
Italy:				
Genoa.....	Feb. 1-Apr. 30.....	11		
Naples.....	Dec. 4-Apr. 29.....	513	190	
Palermo.....	Jan. 8-Apr. 29.....	141	45	
Turin.....	Jan. 8-Apr. 8.....	4		
Japan:				
Formosa.....	Mar. 19-25.....	1		
Kobe.....	Dec. 26-Apr. 8.....	6	1	Dec. 26-Jan. 1, 2 cases from s. s. Shimosa from New York via ports.
Nagahama.....	Mar. 23.....	1		From s. s. Luceric from Hongkong via ports.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 26, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Java:				
Batavia.....	Dec. 26-Mar. 18....	12	.....	
Malta:				
Valetta.....	Dec. 4-Jan. 28....	4	.....	
Mexico:				
Aguascalientes.....	Dec. 25-Apr. 23....	.....	62	
Chihuahua.....	Jan. 30-May 7....	5	3	
Ensenada.....	Mar. 12-May 6....	29	5	
Guadalajara.....	Jan. 29-Apr. 1....	2	2	
Juarez.....	May 14.....	20	.....	
Mexico.....	Dec. 11-Apr. 1....	.....	75	Reports from Jan. 8-28 not received.
Monterey.....	Dec. 19-Apr. 16....	.....	2	
San Luis Potosi.....	Nov. 13-Apr. 29....	174	35	Jan. 26, present in the interior of the State.
Tampico.....	Dec. 2-May 10....	122	34	Present in Dona Cecilia, La Barra, and Tancoel.
Vera Cruz.....	Mar. 15-18.....	1	1	From a sailing vessel.
Morocco:				
Tangier.....	Mar. 19-25.....	.....	.....	Epidemic.
Netherlands:				
Rotterdam.....	Dec. 11-Jan. 28....	4	.....	
New Zealand:				
Lyttelton.....	Dec. 30.....	1	.....	On s. s. Knight of the Garter from Karotzu, Japan.
Peru:				
Salaverry.....	Jan. 25-Mar. 21....	17	2	Jan. 10-Feb. 7, present.
Truxillo.....	Dec. 19.....	.....	2	Dec. 19-Jan. 7, present in vicinity.
Philippine Islands.....	.....	.....	.....	Third quarter, 1910: Cases, 11; deaths, 0.
Portugal:				
Lisbon.....	Dec. 3-Apr. 29....	308	.....	Oct. 30-Dec. 31, deaths 48. Year 1910, 286. Jan. 1-Apr. 8, deaths 47.
Russia:				
Libau.....	Dec. 5-Apr. 30....	8	4	
Moscow.....	Nov. 15-Apr. 8....	224	80	
Odessa.....	Nov. 20-Apr. 22....	34	5	
Riga.....	Dec. 11-Apr. 29....	155	.....	Oct. 1-Dec. 31, 82 deaths. Jan. 1-31, deaths 14.
St. Petersburg.....	Nov. 13-Apr. 15....	584	162	
Warsaw.....	Oct. 9-Feb. 25....	.....	45	
Siberia:				
Vladivostok.....	Nov. 22-Mar. 21....	36	5	
Siam:				
Bangkok.....	Dec. 21-Mar. 16....	13	9	
South Africa:				
Cape Town.....	Mar. 5-11.....	1	.....	
Johannesburg.....	Mar. 17-Apr. 15....	15	6	
Spain:				
Barcelona.....	Dec. 5-Jan. 8....	.....	2	Mar. 12, present.
Madrid.....	Nov. 1-Mar. 31....	.....	30	
Seville.....	Jan. 1-Apr. 30....	.....	13	
Valladolid.....	Mar. 1-11.....	.....	.....	Epidemic.
Valencia.....	Nov. 27-Apr. 29....	84	2	
Straits Settlements:				
Penang.....	Jan. 1-Apr. 8....	81	28	Nov. 6-Dec. 31: Cases, 69; deaths, 68.
Singapore.....	Nov. 13-Apr. 8....	111	26	
Switzerland:				
Cantons—				
Aargau.....	Jan. 29-Mar. 18....	58	.....	
Baselstadt.....	Feb. 19-25.....	1	.....	
Bern.....	Dec. 12-Apr. 15....	21	.....	
Turkey:				
Constantinople.....	Dec. 19-25.....	.....	1	
Turkey in Asia:				
Adana.....	Mar. 14.....	.....	1	
Beirut.....	Dec. 4-Apr. 22....	61	6	
Kharput.....	Apr. 2-22.....	14	.....	
Smyrna.....	Dec. 18-24.....	1	.....	
Uruguay:				
Montevideo.....	Oct. 1-Feb. 28....	59	19	
Zanzibar:				
Zanzibar.....	Oct. 31-May 2....	75	51	

## MORTALITY.

## WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—								
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.
Amsterdam.....	Apr. 29	576,260	156	20								12
Asuncion, Paraguay.....	Apr. 15	75,000	23									
Athens.....	Apr. 29	250,010	94									2
Barcelona.....	May 11	591,272	240									2
Barranquilla.....	May 6	40,000	21	1								
Belfast.....	do.....	398,421	109	28								
Bombay.....	Apr. 22	977,822	901	33	305			17				16
Bordeaux.....	May 13	253,000	89	14								
Brussels.....	May 6	562,895	21	21								2
Cairo.....	Apr. 22	682,953	513	33					10	1	3	8
Caleutta.....	Apr. 1	847,796	516	38	84	34		5				3
Do.....	Apr. 8	847,796	502	31	115	44		3				
Ciudad Porfirio Diaz.....	May 20	16,000	8					1				
Colombo.....	Apr. 8	211,184	127	11								
Do.....	Apr. 15	211,184	108	8						10		
Edinburgh.....	May 6	320,829	106	13							1	1
Georgetown.....	Apr. 29	56,000	50	7						1		
Glasgow.....	May 12	784,655	269							2	1	3
Halifax.....	May 13	50,000	19	2								7
Kingston.....	May 6	48,504								1		
Kingston, Canada.....	May 20	20,000	8								1	
Kurrachee.....	Apr. 15	148,000	336		261							
Do.....	Apr. 22	148,000	381		309							
Leeds.....	do.....	498,027	108	13							3	1
Leith.....	May 6	80,674	25	1							1	3
Liege.....	Apr. 15	174,768	60	9							1	2
Lyon.....	Apr. 29	520,775	243	43						3		3
Maskat.....	Apr. 22	10,000			8							
Manaos.....	Apr. 29	52,000	51	7			7					
Do.....	May 6		49	5			2					
Mexico.....	Apr. 8	500,000	448	22				19			25	6
Do.....	Apr. 15		480	19				11	31			11
Do.....	Apr. 22		422	25				11	34		2	2
Montreal.....	May 20	450,000	189	22						2	2	3
Nantes.....	May 7	161,908	62	11						1		
Naples.....	do.....	593,729		10				13				2
Newcastle on Tyne.....	May 6	290,360	106	14						1		1
Nottingham.....	May 16	260,000	92							1		
Palermo.....	May 6	340,000	158	10				9		3	1	
Paris.....	do.....	2,846,986	999	221						5	3	7
Port of Spain.....	Apr. 15	60,000	23	7						1		
Do.....	Apr. 29		24	6						1		
Port Said.....	Apr. 22	52,811	31	1	1			5		2		
Prague.....	Apr. 20	222,831	83	17								1
Rangoon.....	Apr. 8	252,155	264	6	43	3		44				
Do.....	Apr. 15		299	4	62	5		52				1
Santiago de Cuba.....	May 13	53,614	18	1						2	1	
Shanghai.....	Apr. 16	492,000	114	13				1				3
Sheffield.....	Apr. 29	472,000	125	11						1		
Do.....	May 6		110	10						1		
South Shields.....	Apr. 29	121,866	40	5								2
Smyrna.....	Apr. 1	400,000	62	11						1	4	
Do.....	Apr. 8		54	12						1		1
Do.....	Apr. 15		60	11						2		1
Do.....	Apr. 22		73	7						1		2
Southampton.....	May 15	129,667	30	1							1	1
Stettin.....	Apr. 29	254,033	78	7								2
Swansea.....	do.....	112,140	44									
Talcahuana.....	Apr. 22	28,000		3						1		
Tampico.....	May 10	24,452	54					2				3
Trieste.....	Apr. 29	229,499	129							1		1
Tripoli.....	Apr. 1	42,000							1	1		
Do.....	Apr. 8								1	1		
Do.....	Apr. 15											
Do.....	Apr. 29								1			
Tsingtau.....	Apr. 15	1,700									1	
Turin.....	Apr. 29	401,555	160	17						1		2
Valencia.....	do.....	240,000	98	7						1		
Do.....	May 6		97	5				1				3

## MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—								
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.
Venice.....	Apr. 15	184,325	60	8								1
Veracruz.....	May 13	47,000	29	4								1
Vienna.....	Apr. 22	2,051,227	704	133					1	6	5	4
Do.....	Apr. 29		696	116						3	4	5
Victoria.....	May 13	40,000	14									1
Vigo.....	May 6	41,500	15	2								2
Warsaw.....	Jan. 28	781,179	281	32				2	3	4		6
Do.....	Feb. 4		233	31				4		8	1	1
Do.....	Feb. 11		281	44				2			2	1
Do.....	Feb. 18		297	39				4		10	3	3
Do.....	Feb. 25		319					2		1	6	4
Do.....	Mar. 4		264	40				1		6	1	2
Do.....	Mar. 11		280	43				2		3		2
Yokohama.....	Apr. 24	419,630							2	3		1
Do.....	May 1								1		3	
Winnipeg.....	May 6	135,000	28					1		1		1
Do.....	May 13		18							1	1	

## MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (untabulated).

AUSTRIA-HUNGARY—*Brünn*.—Month of March, 1911. Population, 108,944. Total number of deaths from all causes 297, including diphtheria 1, scarlet fever 3, tuberculosis 59, typhoid fever 1.

BRAZIL—*Pernambuco*.—Two weeks ended March 15, 1911. Population, 210,000. Total number of deaths from all causes 443, including plague 1, smallpox 105, tuberculosis 64, yellow fever 1.

DUTCH GUIANA—*Paramaribo*.—Month of April, 1911. Population, 37,475. Total number of deaths from all causes 97. No contagious diseases reported.

CANADA—*Vancouver*.—Month of April, 1911. Population, 93,700 (estimated). Total number of deaths from all causes 86, including diphtheria 1, tuberculosis 14.

EGYPT—*Alexandria*.—Month of March, 1911. Population, 420,000. Total number of deaths from all causes 853, including diphtheria 4, measles 2, scarlet fever 2, smallpox 13, tuberculosis 95, typhus fever 2, typhoid fever 10.

FRANCE—*Calais*.—Month of April, 1911. Population, 80,000. Total number of deaths from all causes 100, including scarlet fever 1, tuberculosis 24.

Marseille.—Month of April, 1911. Population, 517,498. Total number of deaths from all causes 1,022, including diphtheria 10, measles 131, scarlet fever 1, tuberculosis 127, typhoid fever 4.

*Roubaix*.—Month of April, 1911. Population, 122,154. Total number of deaths from all causes 183, including diphtheria 1, tuberculosis 40.

GREAT BRITAIN.—Week ended May 6, 1911.

*England and Wales*.—The deaths registered in 77 great towns correspond to an annual rate of 13.3 per 1,000 of the population, which is estimated at 17,160,256.

*Ireland*.—The deaths registered in 21 principal town districts correspond to an annual rate of 18.2 per 1,000 of the population, which is estimated at 1,163,596. The lowest rate was recorded at Drogheda, viz, 8.2, and the highest at Lurgan, viz, 35.4 per 1,000.

*Scotland*.—The deaths registered in 8 principal towns correspond to an annual rate of 17.3 per 1,000 of the population, which is estimated at 1,710,299. The lowest rate was recorded at Dundee, viz, 13.9, and the highest at Greenock, viz, 28.4 per 1,000. The total number of deaths from all causes was 567, including diphtheria 6, measles 8, scarlet fever 2, typhoid fever 3.

ITALY.—*Milan*.—Four weeks ended April 30, 1911. Population 900,000. Total number of deaths from all causes 179, including diphtheria 4, measles 30, scarlet fever 2, tuberculosis 138, typhoid fever 5.

SOUTH AFRICA.—*Johannesburg*.—Two weeks ended April 15, 1911. Population 220,304. Total number of deaths from all causes 228, including diphtheria 1, measles 3, scarlet fever 1, tuberculosis 17, typhoid fever 12.

SPAIN.—*Madrid*.—Month of April, 1911. Population 613,436. Total number of deaths from all causes 1,110, including diphtheria 11, measles 32, typhus fever 6, smallpox 4, tuberculosis 145, typhoid fever 2.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

United States Public Health and Marine-Hospital Service.